

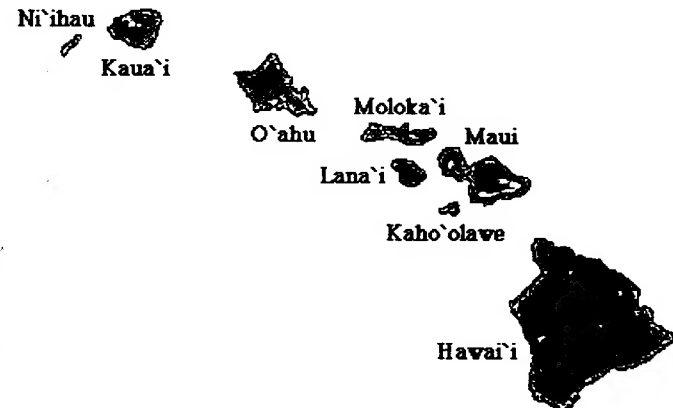
# Vhi-UhiDIGEST

The Official Publication of the Worldwide TV-FM DX Association

APRIL 1998

MORE SURPRISES FROM "EL NIÑO" IN FEBRUARY:

## FM TROPO DX RECORDS ARE BROKEN BY



## 3,300 MILE DUCT FROM MEXICO TO HAWAII !!!

--see page 25 for Shel Remington's astounding report in  
SOUTHERN FM DX!



WORLDWIDE TV-FM DX ASSOCIATION  
PO BOX 501 - SOMERSVILLE, CT 06072



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11/98

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FARMINGTON CT 06032



# WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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## FROM THE STAFF:

**NO NEWS IS GOOD NEWS:** That's not a negative approach to this month's report, but after a period of unsettled conditions, it's nice to see things quiet down. For full details on all the latest developments please refer to this column in the March VUD. Then...look ahead to what will hopefully be a *much more active* E-skip season which will make its debut in the next few weeks. About the time E-skip is fizzling...after a summer of sizzling (WE HOPE!)...it'll be time for WTFDA's annual convention. Join our gracious host Dave Nieman in the high country of western New York for a great 3 day extravaganza. Details appear elsewhere in this issue.

**FINANCIAL STATEMENT:** The remainder of our column will be devoted to the 1997 financial report prepared by WTFDA comptroller Dave Janowiak.

Opening balance - January 1, 1997	\$2,623
Receipts:	
Revenues from dues/samples:	\$6,108
Interest income:	62
Total receipts:	\$6,170
Expenses:	
Publishing: [January thru August]	\$4,520
Misc.: (stamps, P.O. Box rental, memberships, subscriptions, photo work, bounced checks)	287
Total expenses:	\$4,807
Operating Margin: (receipts vs expenses)	\$1,363
Closing balance on 12/31/97:	\$3,986

NOTES: When the books were closed for 1997, the account did not include September, October, November and December VUD expenses of \$1,772 which had not yet been billed by Bill Thompson. So far in 1998 there is about \$2,000 in income from memberships; about \$200 in miscellaneous expenses; and unspecified expenses for 1998 publishing. When the above amounts are considered, the actual balance should still be in the \$2,000 to \$3,000 range. In 1997, some expenses and income were not received here (Greenfield, WI) for several months. It was another difficult year to tabulate the club's financial affairs in a timely manner.

## WTFDA MAILBOX

Worldwide TV-FM DX Association  
P.O. Box 501, Somersville, CT 06072

### NEW MEMBER!..NEW EDITOR!

Hello, and welcome to the WTFDA Mailbox for April. My name is Mike Bugaj, and I'm your new mailbox editor. The first thing I'd like to do is introduce you to Allan Dunn, of Holbrook, MA. Allan lives deep in the heart of the southern Boston suburbs, and he is the club's newest member! Welcome, Allan, and we hope you like it here! If you need anything, just yell!

### Recent Renewals

Renewals have been received from Daniel Cashin, Albert Gordon, Nathaniel Ely, Michael Reid, Paul Hansen, Russel Miller and John Zeis. Also in the mail we had a couple of address changes (Eric Sundius and Steven Wiseblood). I've had a couple of reports of missing VUDs and if you are missing any please write to this address or email me and we will get that fixed. I check my email every day, so if you want a prompt reply from me, please use email if possible.

### Mailing Lists Merge

The anfatvdx mailing list is an email list for an/fm/tv dxers. It consists of dx tips, some chat, Es and tropo reports as well as the same for the BCB. It recently merged with dxlist@web.net, which was administered by Saul Chernos. The new list, whose address is anfatvdx@qth.net, is administered by David Sharp. In the newly merged list, David will remain the list-master and Saul will be David's back up. I mention this because I myself am on the list, and many other WTFDA members are there also. This is a really great list and an asset to the hobby. It's a good reason to have a computer. Email David Sharp at ddsradio@earthlink.net to subscribe to this list of over 300 subscribers.

### Internet Relay Chat (IRC)

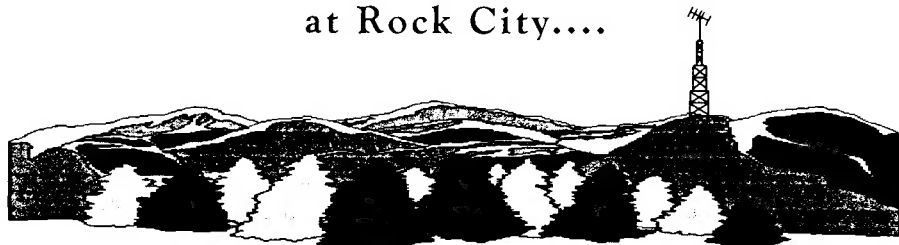
Here is another part of the internet that is becoming popular with FM/TV DXers. Members of the WTFDA meet on the internet for real-time chat sessions on the IRC. Commonly called "chat rooms", these are properly called chat channels, and we have chat sessions on Tuesday and Friday nights at 10pm EST. We hold these sessions on IRCNET and the channel is #wtfdxa. PC users will need a program called mIRC to be able to access IRC, and there are ways for Mac and Commodore users to do it also. Once mIRC is installed and set up, you select a server to use to enter IRCNET. A good server to use is irc.stealth.net port 5550, but there are also many other you can use. Once you find yourself on the server, you should join channel #wtfdxa (/join #wtfdxa). You will now be in the WTFDA chat channel, and someone will be there to greet you! Hey, you've been on the web, you downloaded via ftp, you've read lively discussion in the alt.art.bell newsgroup and sent and received internet email. So why not try IRC. It's a big part of the internet, and it's FUN!

### Does Anyone Understand Your Hobby?

Does your wife, girlfriend, family or friends understand your hobby of FM/TV Dxing? Have you ever tried to explain it to them? Did they go away thinking what a cool hobby you had? Or did they go away with a blank look on their faces. Maybe they shook their heads and decided not to have anything to do with you. Well, we all would like to know. If you have a good story, mail or email it to me and I'll print it. Send it to box 501, or email me at ikon@netcom.com. Until next time, keep your feet on the ground and your head in the "E" layer.

-Mike

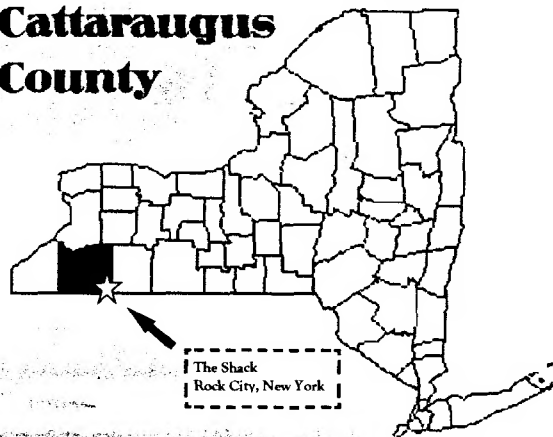
# Attend the 1998 WTFDA Convention in the hills of south-western New York State at Rock City....



Ho-Sta-Geh Road is only a short 7 1/2 miles from exit 26 of the "Southern Tier Expressway" (route 17) on Hartzfelt Mountain. Dx central is a rustic cabin on three wooded and quiet acres on the rim of the Allegheny Mountains. From a

height of 2350 feet above sea level and with few high powered local stations; dx'ing can be quite interesting at times. Lucia's Motel and Supper Club is the official motel for the '98 WTFDA Convention. Call early to reserve your room; space is limited to only nine (9) units. Be sure to say that your attending the WTFDA CONVENTION, July 31st, August 1st thru 2nd.

## Cattaraugus County



### Area motels are:

**Lucia's Motel & Supper Club	9 units	rates starting at \$37/night	1-716-372-0039
De Soto (Best Western)	76 units	rates starting at \$40/night	1-800-325-0043
The Castle Inn	164 units	rates starting at \$55/night	1-800-422-7853
The Old Library Inn (B&B)	8 rooms	rates starting at \$65/night	1-716-373-9804

All rooms are based on single occupancy; add 8% NYS tax.

\*\*The official motel of the '98 convention.

Convention registration fee, \$25.00 -- goes toward Friday evenings pizza & wings, Saturdays Banquet and snacks/drinks. Send \$1.00 for an information packet (deductible if you register) to Dave Nieman -- 12284 Nice Road -- Akron, NY 14001-9408. Packet includes convention schedule, site maps, 'Greater Olean Area Events & Activities' and 'Shop The Olean Area' guides.



**Stop** what you're doing; it's time to make plans to attend the 1998 WTFDA CONVENTION at "The Shack" Rock City, New York. This years event will be held July 31th to August 2nd, 1998.

Hosted by: Dave Nieman

with co-host Greg Coniglio

Here's an abbreviated schedule:

- Fri. 11:00AM convention starts, people arrive at the cabin get reacquainted.
- early afternoon AM/PM station tour.
- 6:00PM pizza & wings party at the cabin; DX until crack of dawn.
- Sat. c. o. d. early risers arrive at the cabin for coffee, donuts & morning tropo.
- noon break for lunch (on your own); checkout area points of interest.
- 5:00PM banquet at Lucia's Supper Club, club meeting.
- 7:00PM arrive back at the cabin; DX till crack of dawn.
- Sun. c. o. d. early risers arrive blurry eyed back at cabin for coffee, donuts & morning tropo.
- noon things wind down, we say our good byes till next years convention.

Thanks for stopping.

## 1998 WTFDA Convention

at Ho-Sta-Geh, Road -- Rock City, New York

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_

STATE/PROV \_\_\_\_\_

ZIP/POSTAL CODE: \_\_\_\_\_

Check one:

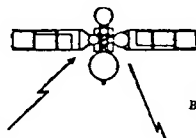
☐ Enclosed is a \$1.00 (deductible if you register for the '98 WTFDA Convention) for my convention information packet.

☐ Enclosed is my registration fee, \$25.00\*\* - send me my convention information packet. All fees are applied to convention costs.

\*\* Advanced registration only, make check or money order payable to: David J. Nieman, travel and lodging arrangements are the responsibility of the convention attendee.

Mail check or money order to: Dave Nieman -- 12284 Nice Road -- Akron, New York 14001-9408

# SATELLITE NEWS



GEORGE W. JENSEN  
4604 ANNTANA AVENUE  
BALTIMORE MD 21206-4220

Another month another slew of new services and changes. Much of this is on the digital side and they seem to come in clumps. - Here goes..

ANIK E2 - Ku  
406 - Speed Vision  
712 - La Canal Nouvelles  
795 - Meteo medea - French Weather Channel  
GE1

23 - Outlaw Music Channel - VC2 proposed  
SPACENET 4 -  
7 - delete - 3BTv - Basil Bassett Bingo  
TELSTAR 4

100 - Turner Classic Movies 603 - Arts and Entertainment  
400 - Classic Sports Network 604 - The Learning Channel  
401 - Speed Vision 605 - Knowledge Television  
402 - Fit TV 606 - The History Channel  
403 - Outdoors Channel 607 - Ovation  
404 - CNN SI 680 - EWTN  
405 - ESPN News 681 - Inspiration  
406 - The Golf Channel 700 - Comedy Central - East  
500 - USA Network - East 701 - TV Food Network  
530 - Turner Network Televis. 702 - travel Channel  
531 - TBS 703 - E - Entertainment  
532 - WGN 704 - Sci-Fi Channel  
580 - CNN 705 - Animal Planet  
581 - Headline News 706 - Court TV  
582 - CNNI - FN 707 - HGTV  
583 - CNBC 708 - Lifetime  
584 - C-SPAN 1 709 - C-SPAN 2  
600 - Catroon Network 710 - open  
601 - Family - East 711 - open  
602 - Discovery - east 712 - open  
713 - open  
714 - open

## GALAXY 7

101 - Encore Plex - Mountain  
102 - Encore Plex - West  
103 - Starz - Mountain  
104 - Encore - Mountain  
580 - delete - bloomberg  
603 - delete  
751 - TV 5 - Paris, France

## Ku-Band

580 - Bloomberg News  
581 - CBS Eye On America  
582 - BBC World Service  
583 - open  
TELSTAR 402  
800 - BET on Jazz - International  
SPACENET 3

1 - African Broadcasting Corporation  
13 - Daystar - KMPX - Ch 29 - Decatur (Dallas/Fort Worth)  
To Jim Snow in the Atlanta area - PLEASE - rewrite me -  
I have a fairly long response to your latter, but the  
postal people are playing games with zip codes.  
That's all for now - see you in 30.... '73's

*George*



# TV NEWS

April 1998

Douglas E. Smith W9WI  
1385 Old Clarksville Pike  
Pleasant View, TN 37146-8098  
72777.3143@compuserve.com

\*: Non-commercial station  
nc: No Change  
+/-: Channel offsets (plus,  
z/n: minus, zero, and none)  
^: Digital TV station

## APPLICATIONS FOR NEW STATIONS

St	Ch	ERP	Ht.	City	Applicant	Latitude	Longitude
AK	28^	1000	39	Anchorage	KTVA [11]	61-11-33N	149-54-01W
AK	26^	34.4	-11	Fairbanks	KTVE [11]	64-50-36N	147-42-48W
CA	42^	165	873	Los Angeles	KWHY [22]	34-13-36N	118-03-59W
CO	32^	223	296	Denver	KDVR [31]	39-43-45N	105-14-12W
FL	18^	103	302	Miami	WLRN [17]	25-58-46N	80-11-46W
IN	46^	250	267	Indianapolis	WTHR [13]	39-55-43N	86-10-55W
MO	56^	1000	333	St. Louis	KMOV [4]	38-31-47N	90-17-58W
ND	22^	97.3	392	Bismarck	KBME [3]	46-35-23N	100-48-02W
OH	21^	440	212	Columbus	WBNS [10]	39-58-16N	83-01-40W
TX	54z	4029	322	Austin	KNVA [54]	30-19-33N	97-47-58W
WA	41^	427	263	Seattle	KCTS [9]	47-36-58N	122-18-28W
WA	48^	1000	239	Seattle	KING [5]	47-37-55N	122-20-59W

KNVA [54]'s application is for a new auxiliary backup (NTSC) transmitter; no change is planned to the main.

## CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

St	Ch	ERP	Ht.	City	Applicant	Latitude	Longitude
CA	61-	1.83	K61GH	National C.	R Posadas	32-41-15N	117-03-56W
CA	20+	100	985	Yreka City	N. CA PTV	42-04-55N	122-43-07W
GA	41-	1.22	W41CG	Lafayette	NGTV	34-41-06N	85-11-46W
GA	21+	1.22	W21BV	Summerville	NGTV	34-31-28N	85-18-34W
IA	23-	5000	608	Ames	Pappas	41-48-13N	93-37-50W
ID	31-	3851	445	Pocatello	Ch. 31	42-55-15N	112-20-44W
IL	67+	1	W67DR	Quincy	J. Liska	39-58-22N	91-19-54W
KS	14+	150	160	Holisington	KSAS [24]	38-37-54N	98-50-52W
KY	49-	7.7	W49BZ	Morehead	Superior	38-10-38N	83-24-18W
MS	44z	1000	145	Greenville	Tarkenton	33-32-35N	90-50-48W
MT	65n	10	K65GZ	Bozeman	L. Corbin	45-40-24N	110-52-04W
ND	26+	1797	339	Bismarck	KT Bcstg.	46-35-23N	100-48-02W
ND	24z	1834	253	Minot	KT Bcstg.	48-03-03N	101-23-24W
OR	28+	13.2	K28FP	Astoria	G. Herman	46-17-10N	123-53-50W
QU	9	0.94		Baie-Comeau	CFTF [29]		
QU	4	1.1		Forestville	CFTF [29]		
QU	7	0.86		Sept-iles	CFTF [29]		
TX	41^	100	506	Fort Worth	KXAS [5]	32-35-07N	96-58-06W
TX	22-	70.3	228	Wolfforth	Woods	33-30-08N	101-52-20W
WY	13+	316	384	Casper	Uhlmann/ Latshaw	43-16-33N	106-14-25W

I believe the winner of the CP for channel 44 at Greenville, Mississippi is retired NFL football player Fran Tarkenton.

## New-station permits expired, dismissed, etc.:

St	City	Ch	# permits	St	City	Ch	# permits
CA	Escondido	61	1	CA	San Diego	61	4
IA	Ames	23	2	ID	Pocatello	31	2
MS	Greenville	44	2	NC	Canton	27	1
ND	Bismarck	26	3	ND	Minot	24	3
TX	Wolfforth	22	1	WI	Crandon	4	1

## APPLICATIONS TO CHANGE EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
CA	43			K67EU	Monterey		
KY	15z		264	WKPC-TV	Louisville	38-22-01N	85-49-54W
NJ	63z	5000	348	WMBC-TV	Newton	41-00-43N	74-35-32W
NY	22z	50		W56CV	Niles	43-00-25N	75-10-00W
WA	9z		249	KCTS-TV	Seattle		

## APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
CA	29^			KPIX-DT	San Francisco		
NC	38+	3020	155	WEPX	Greenville	35-24-09N	77-25-10W
TX	55+	nc	553	KTBU	Conroe	30-13-53N	95-07-26W
WA	45+	276	346	KHCN	Seattle	47-32-39N	122-06-32W

The KPIX-DT application is to change from channel 28 to channel 29.

## CHANGES GRANTED TO EXISTING FACILITIES

Only one change this month, and it's in Canada. CBRT-2 channel 5 in Drumheller, Alberta has been granted a move to channel 6.

Changes expired, dismissed, etc.:

St	City	Ch	Call	St	City	Ch	# permits
CA	Monterey	43	K67EU	KY	Talbert	64	W14CC
LA	B. Rouge	50	K13VE	NJ	Camden	49	W68CV

In February I mentioned that WXTV-LP Philadelphia was operating on channel 41 under special temporary authorization. This is a typo on my part: it's actually on channel 42. (thanks to Russ Miller for catching this one) WXTV itself (the full-power station at Paterson, NJ) is indeed on channel 41.

## CHANGES GRANTED TO CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
FL	67z	nc	128	WPXP	Lake Worth		

## TECHNICAL CHANGES ON THE AIR

St	Ch	Call	City	What happened
FL	39z	WDZL	Miami	moderate power & tower height increases, move 3km SW, go to elliptical polarization
GA	34z	WNGM-TV	Athens	major power & moderate tower height increases, move 30km WSW
GA	38-	WUBI-LP	Savannah	huge power increase; from channel 34z
IN	59-	WXIN	Indianapolis	double power, add circular pol.
PA	57z	WPSG	Philadelphia	go to circular polarization
PR	24z	WJFX	San Juan	minor power increase & tower height decrease
RI	69-	WPXQ	Block Island	huge power & tower height increases; move 50km NW

## NEW STATIONS ON THE AIR

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
AR	27+	0.9		K27FC	Paragould	36-01-52N	90-30-57W
FL	26+	5		W26BN	Melbourne	28-08-14N	80-42-11W
FL	15z	17		W15BO	Naples	26-12-07N	81-48-49W
FL	32+	20.5		W32BL	Naples	26-12-07N	81-48-49W
FL	52+	24.7		W52CK	Naples	26-12-07N	81-48-49W
GA	39^	1000	304	WSB-DT	Atlanta	33-45-51N	84-21-42W

## NEW STATIONS ON THE AIR

St	Ch	ERP	HAAT	Call	City	Latitude	Longitude
LA	40z	11.8		K40DZ	Lafayette	30-02-54N	91-59-49W
LA	27z	1		K27FK	Natchitoches	31-47-56N	93-28-54W
MI	31-	8.61		W31BK	Menominee	45-16-45N	87-40-26W
NM	29+	0.133		K29DP	Lordsburg	32-18-58N	108-45-18W
NV	31+	1.33		K31DO	Las Vegas	35-56-43N	115-02-32W
NY	39+	38.8		W39CE	Glens Falls	43-01-13N	73-31-27W
OH	35^			WLWT-DT	Cincinnati	39-07-27N	84-31-18W
TX	9^			WFAA-DT	Dallas	32-35-06N	96-58-41W
TX	55n	0.15		K55GJ	Raymondville	26-28-32N	97-48-30W
TX	31+	38.4		K31EX	San Antonio	29-26-30N	98-30-28W

We now have some regular-license DTV stations on the mainland. Jim Ayers in Norcross, GA is seeing WSB-DT. KPXR [48] Cedar Rapids, IA and KOPX [62] Oklahoma City have been granted operating licenses. Both stations have actually been operating for at least a year.

## STATIONS DELETED/DISMISSED/ETC.

St:	Call:
OH	W35BA

W35BA is the first LPTV to actually be bumped by DTV; its channel has been taken over by WLWT-DT Cincinnati. In an interview with the trade magazine *TV Technology*, the LPTV's owner expressed anger over the shutdown & indicated he would not try to find another channel for W35BA. He indicated co-owned WBQC-LP [25] would also be shut down.

## CALL CHANGES

Was:	Now:	City:	Ch	Was:	Now:	City:	Ch
New	KBCZ	Holbrook, AZ	11	K47CO	KUVR-LP	Reno, NV	47
K26CO	KGEC-LP	Redding, CA	26	WMGC	WIVT	Binghamtn, NY	34
New	KPMR	Sta Barbara, CA	38	K31EM	KWEM-LP	Stillwtr., OK	31
WIRB	WOPX	Melbourne, FL	56	KJLF	KKWB	El Paso, TX	65
WCTD	WPXM	Miami, FL	35	KSGI	KXIV	Cedar C, UT	4
WFHL	WCPX	Decatur, IL	23	KOOG	KUPX	Ogden, UT	30
K15EG	KADO-LP	Shreveport, LA	15	KZAR	KUWB	Provo, UT	16
W04AK	WGCI-LP	Waterville, ME	4	WJCB	WPXV	Norfolk, VA	49
				W14BN	WXOB-LP	Richmond, VA	14

The Decatur, IL change confirms my suspicion of the reason for channel 6 in Orlando changing to WKMG. KMG are the initials of the (Orlando) station's owner.

## PROGRAMMING CHANGES

Call:	Location:	Programming:
KPSN-LP [22]	Payson, AZ	sold to KPNX [12], NBC
K52EG	Yuma, AZ	sold to 3ABN
K16DC	Gd. Junction, CO	sold to TBN
W59CX	Melbourne, FL	sold to 3ABN
WCFC-TV [38]	Chicago, IL	sold to Paxson (PaxNet)
WFHL [23]	Decatur, IL	sold to Paxson (PaxNet)
K15EG	Shreveport, LA	noted with NET.
K63BU	Gallina, NM	sold to KNME [5], PBS
K06HX	Mora, NM	sold to KASA [2], Fox
WLWG-LP [64]	Columbus, OH	sold to Paxson (PaxNet)
K50DF	Glencoe, OK	sold to KOKI [23], Fox
K07VB	Stillwater, OK	sold to KOKI [23], Fox
K19DB	Stillwater, OK	sold to KOKI [23], Fox
K51DT	Eugene, OR	sold to KMTR [16], NBC
W08AB	Guayama, PR	sold to religious organization
WJNK-LP [61]	Nashville, TN	sold to 3ABN
K52FR	Harlingen, TX	to Worship & AltV
K16CY	Killeen, TX	sold to religious organization

## PROGRAMMING CHANGES

Call:	Location:	Programming:
K55GJ	Raymondville, TX	S:religion "FTN" // K30FF, K32ER, K67HC
K43EM	Cheyenne, WY	sold to religious organization
K13NZ	Shoshoni, WY	sold to KTWO [2], NBC.
K08AA	Wyodak, WY	sold to KTWO [2], NBC.

## OTHER STUFF

Thanks to Russ Miller, Chip Kelley, Fernando Garcia, and Danny Oglethorpe, for information appearing elsewhere in this month's column.

Settlement agreements have been reached among competing applicants for 30 open NTSC channels in 19 states. These agreements will bypass both the competitive hearing process and channel auctions and allow expedited issuance of construction permits -- I expect to see a lot of new-NTSC-station CPs next month. In one interesting incident, both channels in Ely, Nevada (channels 3 and 6) were won by the same applicant. The applicant proposes to operate them as non-commercial stations; regulations limiting a licensee to one station in a city don't apply to non-commercial operations.

In the interest of keeping the column down to five pages, I've had to drop a lot of LPTV information this month. LPTV technical changes have been omitted unless they involve a change to a new channel. All permits issued for new LPTVs are shown, as are all new LPTVs on the air, LPTV call changes, and LPTV programming changes. There were no applications for new LPTVs this month. The new layout of this column should make it easier to prepare and allow using different fonts if it proves useful.

## FORUM

### Randy Miltier, Ashland OR:

Randy sent a quick email noting a new KVMU [26] translator in Yreka, California. It's on channel 66 with 10KW. I can't figure out what this is, nothing in the FCC database seems to fit.

### Danny Oglethorpe, Shreveport LA:

Danny sent more excellent ID photos, especially from Mexico. He also sent word his local LPTV K15EG seems to be on regular schedule now, with NET. Another item from the Shreveport Times hints at the programming of KNTS-LP [17] Natchitoches. The station expects to be on the air about the time you read this. A satellite network is planned, but the station manager wouldn't tell the paper which one.

### Dave Sinclair, Vancouver BC:

Is K48DM Bellingham, WA still on the air? Dave sent two sets of channel listings from the Bellingham Herald, one from the April 13-19, 1997 issue and the other from the January 11-17, 1998 copy. The April paper shows KTZZ as being on channel 48, (and no cable channel) while the January issue lists it on channel 22. (both air and cable) KTZZ is, in fact, on channel 22, but it does also own translator K48DM. My guess is that cable penetration is so high in Bellingham that when KTZZ went on the cable, the paper simply chose to ignore its air channel. But that's only a guess.

Also in Bellingham, Dave says KBCB [24] is now IDing as:

KBCB 24/19  
Bellingham, Washington  
The Fourth Corner &  
Vancouver, B.C.

19 is their cable channel on four area systems.

A letter to the editor of the Blaine (WA) Banner suggests some possible programming changes in non-commercial TV in the Seattle area. The writer said "...KCTS9 is thinking of rebroadcasting its sig-PBS station KBTC 28 UHF in Tacoma." I'm not sure what that means. KCTS and KBTC are not commonly-owned. There are two applications on file for a new non-commercial (full-power) station at Bellingham on channel 34, and one of those applications is from KCTS. My guess is this is what he was writing about. Where KBTC comes into the deal, I don't know. Maybe there's some kind of non-commercial LMA?

Finally, Dave forwarded nine items over three years from the All Point Bulletin (Point Roberts, WA) about LPTV station K29CP there, and its efforts to obtain zoning approval for a 200-foot tower. As you might expect, there has been plenty of local opposition to the tower, most of it centered on fears of health effects of electromagnetic radiation. One former FCC employee wrote "UHF station can beat up TVs - Multi megawatts of power." I have to assume he was a mailroom employee! K29CP's permit is for 15.5KW...

The articles make no mention of a second LPTV authorized to the same owner. K31DJ is authorized for the same site and power. Articles do indicate plans to carry Mainstreet TV if channel 29's tower is ever built.

### Fernando Garcia, Monterrey NL Mexico:

Fernando landed us some publicity in the Gainesville (Florida) Sun when he emailed asking a question about WGFL [53]'s program schedule. The reporter wanted to know why someone in Mexico would care what programs were airing on a Gainesville TV station -- and printed Fernando's response in the paper. WTFDA is mentioned, and the URL to our Web site was given. The Sun article may still be on <http://www.sunone.com/news/articles/03-10g.html>.

### Russ Miller, North Amity ME:

Russ sent a photo of a test pattern reading "WKTV-2 KEJ59 UTICA NY". He asks, "What does KEJ59 mean?" Other DXers have seen similar calls on ID slides; WCY25 on the KERA [13] slide is most frequently mentioned.

KEJ59 is WKTV's STL, or "Studio-Transmitter Link". Of course, many TV stations have their transmitters at a considerable distance from their studios. When this distance is too great to span economically with fiber optics, a microwave radio system is used instead. As with most legal radio transmitters, these microwave links have callsigns and, at least at one time, had to be ID'd. (I'm not familiar with the current ID regulations for these links - and in any case, it was certainly legal to ID the link after the main transmitter had been turned off for the night!)

The live remote trucks used by most stations also have callsigns - hopefully you'll never see these ID on the air, but you might see one if you visit a TV station. And, some stations use "Inter-City Relay" microwave gear. This is most common where two or more cities at a considerable distance are part of the same market. (Springfield-Decatur-Champaign, Illinois, for example) One station might have news studios in more than one city, and use an ICR microwave to relay programming to the main studio. (then a STL from there to the transmitter)

You can't really tell the difference between the three types of microwave from the call letters. Just know that if you see a callsign with three letters then two digits, it's some kind of microwave link. This could be a good way of IDing an otherwise unID DX catch, except I have no idea where to look to find out who owns a given microwave callsign...



## April 1998

Many of the items listed in this column are taken from the publication:  
**M Street Journal - P.O. Box 1479 - Madison, TN 37116-1479**  
**PHONE (615) 865-1525 FAX (615) 865-2598**

editor- GREG CONIGLIO

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 TIP DEADLINE - The 10th

### KEY:

&: satellite programming  
 AF: new freq. allocation **accepted** for filing for a new FM license  
 AFA: American Family Association  
 CC: call change/new calls assigned  
 CL: city of license change granted  
 CO: new xmtr co-ordinates  
 CX: a CP has expired, and is cancelled  
 C1,C2, etc: change in class status  
 DA: directional antenna  
 DE: calls deleted, license returned to FCC  
 FC: station format change

GA: granted amendment to table of FM allocations  
 GE: station was **granted extension** of a CP  
 GX: granted replacement of expired CP  
 LC: filed for license to cover (for new stn.)  
 MC: multiple-city legal ID  
 NC: no change yet, on a reported pending grant/change.  
 ND: non-directional  
 NO: station is **not on** the air  
 NS: a **new station** granted a license  
 OSA: one-step application  
 NW: new station signs on the air  
 PA: **proposed amendment** to change table of allocations  
 PC>: a **power change** (increase)

PC<: a **power change** (decrease)  
 PG>: **power change granted** (increase)  
 PG<: **power change granted** (decrease)  
 QC: frequency change for this station  
 QG: frequency change **granted**  
 RA: station **returns** to the air  
 RE: station **requests extension** of a CP  
 RX: station **requests re-instatement** of an expired CP  
 SG: slogan change or update  
 SI: station is **silent**  
 XA: **dismissed amendment** to the table of FM allocations  
 XC: station changes xmtr site  
 XG: station **granted** a transmitter (xmtr) site change



## UNITED STATES

### ALABAMA:

Birmingham: WZRR 99.5 PC> 100 kW, 1014 ft, C  
 XC: 33-27-45 / 86-50-59  
 Chatham: \*NS 106.1 NO-GE  
 Jackson: WHOD 94.5 FC to Jones soft AC (&)  
 Opelika: WMXA 96.7 PC> 3.5 kW, 430 ft,  
 XC: 32-33-54 / 85-22-13  
 Ozark: WAQG 91.7 PG< 2.2 kW, 377 ft.  
 Selma: \*NS 105.3 50 kW, 492 ft, DA  
 Selma: \*NS 89.7 AF  
 Troy: WAXU 91.1 CC (NS)

### ALASKA:

Anchorage: \*NS 93.7 27 kW, 663 ft.  
 Fairbanks: \*NS 96.9 10 kW, 507 ft.  
 Glenallen: KXGA 90.5 LC  
 Houston: KQEZ 92.1 LC  
 Nikiski: \*NS 93.3 50 kW, 243 ft.

### ARIZONA:

Cottonwood: KVRD105.7 PC> 300 w  
 Fredonia: K270AH101.9 NS-170w: KXAZ 93.3 Page  
 Globe: KDDJ 100.3 CC (ex KHOT)  
 L.Havas City: \*NS96.7 1050w, 2706 ft, DA  
 Oracle: KLQB 106.3 FC to rock (Tuscon)  
 Paradise Vly: KHOT 105.9 CC(exKBUQ)\*Hot105.9\*  
 Payson: \*\*\* 99.3 GA: add class A  
 Wellton: \*NS 104.5 6.1 kW, 1348 ft.

### ARKANSAS:

Atkins: \*NS 99.3 6 kW, 328 ft.  
 Batesville: \*NS 99.5 6 kW, 328 ft.  
 Beebe: KPIK 101.5 FC to Jones clas. rock (&)  
 Brinkley: KQMC102.3 PA: to C2 - Colt, AR  
 El Dorado: \*NS 101.5 6 kW, 328 ft.  
 Harrisburg: \*NS 95.9 16 kW, 328 ft.  
 \*NS 104.1 35 kW, 577 ft.

### Arkansas:

Lonoke: KKYK 106.3 CC (ex KMZX), FC to  
 CHR // KDRE 101.1 "Z101" (Little Rock)  
 Maumelle: KSIZ 96.9 NW, urban "Hot 96.9"  
 Mena: \*NS 105.3 8.1 kW, 564 ft.

### CALIFORNIA:

Arvin: \*NS 92.5 86w, 2542 ft.  
 Burney: KIBC 90.5 XC: 40-52-29 / 121-46-13  
 Coarsegold: \*\*\* 94.5 GA: add class A  
 Columbia: KTDO 98.9 adds Jones Spanish AC (&)  
 Hydesville: \*NS 94.1 17 kW, 1860 ft.  
 Johannesburg: \*NS100.9370w, 1312 ft.  
 Kerman: \*NS 95.3 6 kW, 328 ft.  
 Lenwood: \*NS 104.5 2.5 kW, 515 ft.  
 Lompoc: KAOH104.9 NO-GE  
 Lompoc: KAKV 106.7 PG< 1.1 kW, 1069 ft,  
 XG: 34-26-12 / 120-29-17  
 Los Angeles: KCMG 100.3 CC (ex KIBB) "Mega 100"  
 King City: \*NS 91.3 930w(v), 36 ft, DA  
 Merced: \*NS 94.1 1,250 w, 725 ft.  
 Merced: KAMB101.5 PC< 1850w, 2093 ft, ND  
 Modesto: KEJC 93.9 PG> 4.3 kW, 384ft, DA  
 Muscoy: K294A106.9 NS-7w(v): ??  
 Needles: \*NS 107.1 50 kW, 492 ft.  
 Oakhurst: KAAT 103.1 dec. to 56' granted  
 Orland: KRQR106.7 NC to 50 kW, 308 ft, DA. RE  
 Pismo Bch: KWBR 95.3 FC to alternative // KOTR 94.9  
 with another new format expected soon  
 (S.L.Obispo)



## FM NEWS

APRIL 1998

### California:

San Luis Obispo: KSLY 96.1 PC< 3.4 kW, 1686 ft.  
 Santa Barbara: KLDZ 107.7 NW, oldies  
 Santa Barbara: K295AH 106.9 NW, // KMRO 90.3  
 Santa Barbara: XLTR102.3NW, // KCLU 88.3  
 Shingletown: \*NS 96.1 600w, 1023 ft.  
 Tehachapi: \*NS 100.1 180w, 1804 ft, DA  
 Templeton: \*NS 100.5 1.2 kW, 722 ft.  
 Westley: \*\*\* 95.5 GA: add class A  
 Yucca Valley: KYOR 106.9 CC (ex KSES)

### COLORADO:

Aspen: K278AL103.5 NS-9w: KSNO 103.9  
 Avon: KZYR103.1 XC: 39-38-05 / 106-26-47  
 Colo City: \*NS 89.9 AF  
 Delta: \*NS 103.3 14.5 kW, 918 ft.  
 Durango: KWXK 99.7 FC to adult alternative  
 Ft.Morgan: KBRU101.7 FC to oldies (&)  
 Grand Jct: \*NS 100.7 AF  
 Rye: \*NS 90.1 AF  
 Trimble: \*NS 88.5 AF  
 Westcliffe: \*NS 89.9 AF  
 Wray: KATR 98.3 GA: to C1 - Otis, CO

### CONNECTICUT:

New Britain: WFCS107.7 PC< 36w(h), 108' class D  
 New Haven: WYBC94.3 FC to urban AC (daytime)  
 CHR at night (student run programming)

### DELAWARE:

Harrington: \*NS 88.7 AF

### DISTRICT OF COLUMBIA:

Washington: WCSP90.1 NC to 36 kW, 567 ft DA, B

### FLORIDA:

Arcadia: WWRZ98.3 adds Jones soft AC (&)  
 GA: to class C2: Fort Meade, FL  
 Chiefland: WLQH107.9 CX CP for 97.3, 3 kW, 328'  
 Edgewood: WLTF105.9 NO-RE  
 Ferdinand Bch: WNLE 91.7 PG< 32 kW, 223 ft  
 XG: 30-27-23 / 81-31-49  
 Ft.Pierce: WXFG 95.5 CC (ex WCLB) "The Frog"  
 Goulds: WRTO 98.3 FC to Spanish hits (Miami)  
 Key Largo: WMKL 91.7 NO-GE  
 Key West: \*NS 90.1 AF  
 LaCrosse: \*NS 99.5 6 kW, 328 ft.  
 Marathon: WKTS 97.7 NO-GE  
 Murdock: \*NS 98.9 6 kW, 328 ft.  
 Nocatee: \*NS 105.3 6 kW, 328 ft.  
 Safety Harbor: WYUU 92.5 inc. to 489 ft.  
 Sebastian: \*NS 95.9 25 kW, 321 ft.  
 Sebring: WYMR105.7 PG< 19 kW, 351 ft, C3  
 XG: 27-21-29 / 81-28-22, QC from 105.5  
 Tallahassee: WAIB103.1PC< 42 kW, 541 ft.

### GEORGIA:

Brunswick: WAYR 90.7 CC (ex WAQC)  
 Cordele: WKKN 98.3 RA with classic cntry (&)  
 Cuthbert: \*NS 100.7 AF  
 Donaldsonville: WWGF 107.5 CC (NS)  
 Hinesville: WHVL104.7 adds Jones AC (&) (Sav.)  
 Macon: W201BU88.1 NS-80w(v): WPCS 89.5 FL  
 Macon: WPEZ107.9 PA: to class C1 - Hampton, GA  
 Mt.Vernon: \*NS 101.7 6 kW, 325 ft.  
 Roswell: WAMJ107.5 CC (ex WTHA) "Magic 107.5"  
 Warrenton: WRFN 93.1 NW, talk sports // WRDW  
 AM 1480 (Augusta)

### HAWAII:

Hilo: KHWI 100.3 FC to classic rock  
 Hilo: KAOE 92.7 FC to oldies  
 Hilo: KNWB 97.1 PC< 38 kW (cir), -823 ft  
 XC: 19-47-02 / 155-05-25  
 Kelakekua: KAOY101.5 FC to oldies // KAOE 92.7



### IDAHO:

Coeur D'Alene: \*NS102.3 172w, 1843 ft.  
 Homedale: \*NS 106.3 100 kW, 1440 ft.  
 Lewiston: \*NS 105.1 500 w, 1099 ft  
 McCall: \*NS 106.7 AF  
 Mountain Home: KTPZ 99.1 PC< 80 kW, 2191 ft.  
 Pocatello: KISU 91.1 CC (NS)

### ILLINOIS:

Albion: WBJW 91.7 NW, religion  
 Atlanta: \*NS 96.3 6 kW, 328 ft.  
 Carlinville: WTSB 90.1 NO-GX  
 Carthage: \*NS 93.9 6 kW, 328 ft.  
 Crete: WYAA102.3 CC (ex WEMG)  
 DeKalb: WDKB 94.9 XC: 41-45-57 / 88-53-44  
 Eldorado: WEBQ102.3 NC to 6 kW, 328 ft, DA  
 XC: 37-43-03 / 88-32-37

Farmington: WJPL 96.5 LC  
 Geneseo: WAXR 88.1 CC (NS)  
 Highland Park: WXXY 103.1 CC (ex WVVX)  
 Knoxville: \*NS 105.3 5.2 kW, 323 ft.  
 Morris: WYXX103.1 CC (ex WJDK)  
 Mt.Carmel: WVJC 89.1 adds MC1-CHR (&)  
 Peoria: \*NS 90.7 AF  
 Pittsfield: WAKC 90.9 CC (NS)  
 Taylorsville: WTIM 97.3 LC

### INDIANA:

Auburn: WGL 102.3 PG> 6 kW, 315 ft.  
 XG: 41-21-07 / 85-09-55  
 Evansville: WYNG105.3inc. to 1614 ft  
 XC: 38-04-45 / 87-36-36  
 Farmersburg: \*\*\* 96.3 GA: add class A  
 Ft.Wayne: W277AK103.3NS-15w: WQKO 91.9  
 Indianapolis: WNAP93.1 adds Howard Stern  
 Roann: \*NS 101.9 6 kW, 328 ft.

### IOWA:

Ankeny: KMXD106.3 FC to soft AC "Sunny 106"  
 Bettendorf: \*NS 91.1 AF  
 Des Moines: KLYF100.3 FC to hot AC  
 Keokuk: KOKX 95.3 NC to 100 kW, 794 ft, C1  
 XC: 40-24-01 / 91-35-09

### KANSAS:

Cawker City: \*NS 96.3 13 kW, 320 ft.  
 Colby: KWGB 97.9 CC (NS)  
 Copeland: KHYM103.9 inc. to 751 ft.  
 Emporia: KRWW 99.5 PA: to 96.1 - A  
 Galena: \*NS 104.3 6 kW, 328 ft.  
 Hutchinson: \*NS 97.1 13.4 kW, 450 ft.  
 Ingalls: \*NS 96.3 100 kW, 659 ft  
 Ingalls: \*NS 105.9 6 kW, 328 ft.  
 Iola: KIKS 99.3 PA: to 101.5 - A

**Kansas:**

Kingman: KCVW 94.3 NW, religion  
Medicine Lodge: KSNS 91.5 inc. to 462 ft.  
XG: 37-14-02 / 98-39-55

Topeka: KWIC 99.3 PA: from class A to C3

**KENTUCKY:**

Beaver Dam: WAUE100.7 PA: to class C3 from class A, CL: Brownsville, KY

Brodhead: \*\*\* 101.9 GA: add class A  
Campton: \*NS 103.7 6 kW, 328 ft.  
Fredonia: \*\*\* 92.1 GA: add class A  
Lexington: WBUL 98.1 CC (ex WKQQ) "The Bull"  
Morehead: WMOR92.1 QG to 106.1 - C3, PG> 8 kW, 348', XG: 38-10-56 / 83-26-56  
Mt. Vernon: \*\*\* 101.9 XA to add class A  
Mt. Sterling: WAXG 88.1 CC (NS)  
Smith Mills: \*\*\* 94.5 PA: add class A  
Stanford: \*\*\* 101.9 XA to add class A  
Winchester: WKQQ100.1 CC (ex WWYC) "100 Rock Double Q" (Lexington)

**LOUISIANA:**

Alexandria: \*NS 106.9 6 kW, 328 ft.  
Bastrop: KRVV100.1 PC< 6.9 kW, 449 ft  
XG: 32-39-36 / 92-05-15  
Blanchard: \*NS 102.1 25 kW, 328 ft.  
DeRidder: KEAZ 101.7 FC to s.Gospel // KDLA  
DeRidder: KBAN 91.1 CC (NS)  
Erath: KPEL 107.7 PG> 81 kW, 863 ft.  
Grand Isle: \*NS 104.5 AF  
Houma: KUMX104.1 CC (ex KHOM) "Mix 104.1"

**MAINE:**

Machias: \*NS 101.1 50 kW, 492 ft.

**MARYLAND:**

Baltimore: WOCT104.3 PG< 38 kW, 469 ft  
XG: 39-25-46 / 76-27-00  
Cumberland: WKGO 106.1 PC> 5.4 kW, 1410 ft.  
Ocean City: WRXS106.9 FC to CHR "X 106.9"  
Ocean Pines: WQJZ 97.1 CC (ex WLFJ) FC to smooth jazz (&) (Salisbury)  
Salisbury: WSBY 98.9 FC to modern rock // WOSC

*Smooth Jazz*  
**WQJZ 97.1**

**MASSACHUSETTS:**

Nantucket: \*NS 89.5 AF

**MICHIGAN:**

Alpena: WHSB107.7 PC> 100 kW, 610', C1  
Benton Hbr: \*NS 94.9 2.2 kW, 380 ft.  
Detroit: WMXD 92.3 PC< 45 kW, 479 ft, DA  
Frankenmuth: \*NS 93.7 5.2 kW, 351 ft.  
Gladstone: \*NS 105.5 AF  
Honor: \*NS 100.7 4.1 kW, 328 ft. (Xavier U)  
Houghton: WAAH102.3 PG> 36 kW, 492 ft, C2  
L'Anse: WCUP105.7 NC to 51 kW, 856', GX  
Negaunee: WKQS101.9 LC  
Oscoda: WCLS100.7 adds ABC's Moby program  
Oscoda: WCMB 95.7 CC (ex WCMV)

**MINNESOTA:**

Ada: KRJB 106.3 PC> 6 kW, 285 ft.  
Belview: \*NS 105.9 6 kW, 328 ft.  
Deer River: KBAJ 105.5 CC (NS)  
Fairbault: \*NS 107.5 48 kW, 394 ft.  
Hermantown: WWAX 92.1 PG> 3.4 kW, 892 ft, C3  
XG: 46-47-15 / 92-07-21

Intl Falls: KBHW 99.5 adds SKY c. Christian (&)  
Shoeb Lake: \*NS 107.1 NO-RE (2nd)

**Missouri:**

Nisswa: \*NS 93.3 AF  
Ortonville: KAHF 106.3 adds ABC country (&)  
Pillager: \*NS 95.9 AF  
St. Charles: KLCX 107.7 NO-GE  
St. Joseph: \*NS 99.9 6 kW, 328 ft.

**MISSISSIPPI:**

Carthage: WSSI 98.3 NC to 20 kW, 328', C3, GE  
DeKalb: \*NS 105.7 50 kW, 492 ft, DA  
Hazlehurst: KDXO100.9 FC to ABC A/C (&)  
Liberty: WAZA107.7 CC (NS)  
New Albany: \*\*\* 101.5 GA: add class A  
Prentiss: \*NS 104.9 6 kW, 328 ft.  
Stonewall: \*NS 106.9 2550w, 508 ft, DA  
Sumrall: WJSJ 97.3 NW, soft AC (&) (Laurel)

**MISSOURI:**

Boonville: \*NS 93.1 3.8 kW, 413 ft.  
Chillicothe: KCHI 103.9 adds ABC oldies (&)  
Jefferson City: \*NS104.1 6 kW, 312 ft.  
LaMonte: \*NS 97.1 AF  
Macon: \*NS 99.9 6 kW, 328 ft.  
Miner: \*NS 107.1 6 kW, 328 ft.  
Moberly: \*NS 97.3 25 kW, 328 ft.  
Scott City: \*NS 93.9 6 kW, 328 ft.  
Shell Knob: \*NS 97.7 AF  
Springfield: KWFC 89.1 inc. to 1122', DA, class C  
XG: 37-12-06 / 92-56-33

**MONTANA:**

Billings: \*NS 107.5 100 kW, 984 ft.  
Billings: \*NS 96.3 100 kW, 695 ft.  
Billings: \*NS 105.1 NO-RE  
Butte: KAPC 91.3 NO-GE  
Deer Lodge: KQRV96.5 NW, country "The River"  
Great Falls: \*NS 91.5 AF  
Helena: KUHM 91.7 NO-GE  
Livingston: \*NS 100.7 100 kW, 1325 ft.  
Missoula: KMZL 91.5 CC (NS)  
Plains: KPLG 91.5 NW, religion // KXEI 95.1  
Superior: \*NS 107.5 AF

**NEBRASKA:**

Hastings: KFKX 90.1 NW, alternative  
Hastings: \*NS 94.5 50 kW, 492 ft.  
Hubbard: KAYA 91.3 NW, AFA cont. Christian (&)  
McCook: KSWN 93.9 NO-RX

**NEVADA:**

Indine Village: KTHX 100.1 PC> 820w, 2975 ft.  
Laughlin: KADD 93.5 LC  
Moapa Vly: \*NS 104.7 3 kW, 466 ft.  
Sun Valley: \*NS 94.5 2.5 kW, 1886 ft.  
Wendover: \*NS 102.3 100 kW, 984 ft.

**NEW HAMPSHIRE:**

Durham: WUNH 91.3 PG> 6 kW, (v), DA  
Farmington: \*NS 106.5 200w, 741 ft.

Lancaster: WXXS102.3 CC (ex WNHT)

**NEW JERSEY:**

Cape May: WWCJ89.1 PG> 15 kW, 298 ft, DA  
XG: 38-59-45 / 74-50-19  
E. Orange: WFMU 91.1 NC to 1.5 kW, 492', GE  
Tuckerton: WBHX 99.7 NO-GX  
Villas: WFNN 98.7 XG: 38-59-45 / 74-50-19

**NEW MEXICO:**

Albuquerque: KLV01 97.7 NS-20 kW(v), DA  
Albuquerque: KYLZ1 106.3 NS-20 kW (v), DA  
Chama: \*NS 98.9 6 kW, -751 ft.  
Cloudcroft: \*NS 97.9 AF  
Gallup: \*NS 101.5 AF  
Grants: \*NS 105.5 100 kW, 1410 ft.

*101.7 The Spot*

**NEW YORK:**

Albion: \*NS 95.5 6 kW, 328 ft, DA  
Attica: WOX101.7 FC to modern AC  
"101.7 The Spot" (Buffalo), CC (ex WBTF)  
Brockport: WASB105.5 NO-GE  
Buffalo: WEDG103.3 PC< 7.2 kW, 315 ft.  
Calverton-Roanoke: \*NS 105.3 6 kW, 292 ft.  
Canandaigua: WMHX 102.3 FC to soft AC // WMAX  
Chateaugay: WYUL 94.7 PC< 1.4 kW, 502 ft, ND  
XG: 44-51-11 / 73-58-28  
Endwell: \*NS 107.5 1.1 kW, 544 ft.  
Honeoye Falls: WRCD 107.3 FC to dance-CHR  
"Jammin' 107" (Rochester)  
Irondequoit: WMAX106.7 FC to soft AC (Roch.)  
Ithaca: WQNY103.7 NC to 15 kW, 879', GE  
Jewett: \*NS 97.9 1450w, 1672 ft.  
L. George: WCKM 98.5 QG to 99.1, DA  
Liberty: WGW88.1 NW, religion // WFGB 89.7  
Mt. Kisco: WZZN106.3 FC to smooth jazz (&)  
Speculator: \*\*\* 96.5 PA: add class A  
Utica: WOUR 96.9 adds Bob & Tom  
Vestal: WMXW103.3 PC> 890w, 850 ft.

**NORTH CAROLINA:**

Aurora: WFPF104.5 CC (NS)  
Bayboro: \*NS 97.9 16 kW, 423 ft, DA  
Hatteras: WYND 97.1 OSA to C3, 48 kW  
558 ft, XG: 35-27-48 / 76-02-07  
Lenoir: WKVS103.3 PC> 3 kW  
Norlina: \*NS 94.3 6 kW, 328 ft.  
Old Fort: WDLF104.3 PC> 6 kW 171 ft, DA  
XG: 35-37-44 / 82-20-46, adds ABC AC (&)  
Robbinsville: WCVF 95.9 PC> 120w  
Southern Pines: WIOZ 102.5 LC  
Wanchese: WOBR 95.3 adds Jones modern AC overnights (&) (Outer Banks)  
Warrenton: WXNC107.3 NO-GE  
Wilson: W274AK102.7 NS-WBFI 89.3

**NORTH DAKOTA:**

Bismarck: \*NS 91.5 AF

**OHIO:**

Bellevue: WNRR 92.1 NC to 3.7 kW, 108', RX  
Dover: WJER101.7 PG< 1.1 kW, 287 ft  
XG: 40-30-46 / 81-27-25  
Johnstown: WSMZ103.1 adds ABC urban AC (&)  
Lancaster: WJZA103.5 CC (ex WSWZ)  
Pleasant City: \*NS 92.1 6 kW, 328 ft.  
Pt. Clinton: WXXR 94.5 FC to classic rock (Toledo)  
Shelby: WSWR100.1 FC to Jones oldies (&)  
Westerville: WAXV103.9 NO-GX, CC (NS)  
Willard: \*NS 96.9 6 kW, 328 ft.  
Youngstown: WHOT101.1 PG< 24.5 kW, 795 ft.  
Zanesville: WJIC 91.7 CC (NS)

**OKLAHOMA:**

Ada: KADA 99.7 QC from 96.7, still class A  
Ada: \*NS 89.9 AF  
Chickasha: \*NS 90.5 AF  
Cordell: KCDL 99.3 OSA to 25 kW, C3, 210 ft.  
Duncan: KKEN102.3 CC (ex KRHD), FC to country "Kickin" (Lawton)  
Holdenville: KTLS106.5 FC to oldies (&)  
Newcastle: KKNG 93.3 RA with country "King" (now serves Oklahoma City market)  
Pawhuska: KTGP103.9 NW, Branson country (&)  
Wagoner: KRQZ102.1 PG> 6 kW, 276 ft.  
XG: 35-34-39 / 95-12-36, CL: Warner, OK

**OREGON:**

Burns: KQHC 92.7 LC  
Coos Bay: \*NS 90.5 AF  
Milton-Freewater: KTHK 97.9 NC to 20 kW, GX  
Newport: \*NS 92.7 3.8 kW, 840 ft.  
Harwood: \*NS 100.7 25 kW, 328 ft.  
Tumalo: K208CV89.5 NS-KLVN 93.3

**PENNSYLVANIA:**

Barnesboro: \*NS 93.5 1.3 kW, 499 ft.  
Brookville: \*NS 103.3 10.5 kW, 508 ft.  
Brookville: WMKX 95.9 QG to 105.5 - B1, 16 kW 413 ft.  
Gladwyne: W245AG96.9NS-WBMR 91.7  
Pittsburgh: WDRV 96.1 CC (ex WVTY) "The River"  
Tobyhanna: WKRF107.9 XG: 41-02-37 / 75-22-38

**RHODE ISLAND:**

Narragansett Pier: WAKX 102.7 adds Howard Stern  
Woonsocket: WWKX 106.3 adds Howard Stern

**SOUTH CAROLINA:**

Hanahan: WAVF 96.1 adds Howard Stern  
Orangeburg: WKSO103.9 NC to 9.2 kW, 531 ft, C3  
XG: 33-40-13 / 80-52-25

**SOUTH DAKOTA:**

Aberdeen: \*NS 106.7 100 kW, 338 ft.  
Clear Lake: \*NS 107.1 15 kW, 430 ft.  
Dell Rapids: \*NS 95.7 25 kW, 328 ft.  
Milbank: KPHR104.3 FC to Jones oldies (&)  
Rapid City: \*NS 106.3 100 kW, 449 ft.  
Rapid City: \*NS 88.3 AF

**TENNESSEE:**

Belle Meade: WNPL106.7 NW, hot AC/classic hits  
Bulls Gap: \*NS 100.7 6 kW, 328 ft.  
Dayton: WDNT104.9 adds Jones country (&)  
Elizabethton: WAEZ 99.3PG< 3.6 kW, 810 ft.  
Harrogate: WLMU 91.3 adds MC1- CHR (&)

## Tennessee:

Henderson: WHHM107.7 FC to classic cntry (&)  
 Henry: \*NS 104.7 2.9 kW, 476 ft  
 Middleton: \*NS 100.7 25 kW, 328 ft  
 Norris: \*NS 106.7 3.6 kW, 361 ft  
 Parker's Crossroads: \*NS 96.5 6 kW, 328 ft

## TEXAS:

Abilene: KAQD 91.3 LC  
 Amarillo: KAEZ 105.7 FC to ABC AC (&)  
 Austin: K285ES104.9 NS- // KYCM 88.5  
 Bastrop: KYCM 88.5 NW, religion  
 Bemavides: KXTM 107.7 NO-GE  
 Big Spring: KBCX 91.5 CC (NS)  
 Bishop: KFLZ 106.9 FC to Spanish religion  
 Blossom: \*NS 92.7 50 kW, 492 ft  
 Borger: \*NS 106.7 6 kW, 259 ft  
 Bridgeport: \*NS 90.5 AF  
 Brownwood: KHPU91.7 CC (NS)  
 Burkburnett: KYY104.7 PG< 92kW, C1  
 Cameron: \*NS 94.3 6 kW, 328 ft  
 Centerville: KAJG 105.9 NO-GE  
 Coleman: KSTA 107.1 FC to classic rock  
 Conroe: KKHT 106.9 NC to 1899ft, XC, GE  
 Corsicana: KDXX107.9 FC to Spanish CHR // KDXX  
 AM 1480 Dallas

Crane: KKKK 101.3 CC (NS)  
 Decatur: KDKR 91.3 NO-GE  
 Doss: \*NS 88.1 AF  
 Edna: KGUL 96.1 CC (NS)  
 Falfurrias: KPSO106.3 PC> 1350w, 194 ft.  
 Farmersville: \*NS 92.1 2.7 kW, 492 ft.  
 Gatesville: KRYL 98.3 FC to classic rock (&)  
 Giddings: KANJ 91.5 LC  
 Gonzales: KCTI 106.3 NC to 15 kW, 423 ft, C3  
 XC: 29-41-17 / 97-40-39  
 Granbury: KMRT106.7 FC to Spanish CHR // KDXX  
 Gregory: \*NS 104.5 3 kW, 298 ft.  
 Hooks: KTHN 95.9 FC to CHR (Texarkana)  
 Hutto: KIKY 92.1 FC to tejano "La Nueva"  
 Ingleside: KCCG107.3 adds ABC oldies (&)  
 Kerrville: KBBP 91.1 CC (NS)  
 Livingston: KETX 92.3 FC to CD Country (&)  
 New Ulm: KMIA 92.3 NO-GE  
 Paris: KBCV 89.3 6 kW, 354 ft., CC (NS)  
 Pasadena: KFTG 88.1 FC to s.Gospel // KJIC  
 Pittsburg: \*NS 96.9 6 kW, 328 ft.  
 Plainview: KBAH 90.5 CC (NS)  
 Rockport: KBTE 102.3 CC (ex KZJM), RA with  
 dance-CHR "The Beat" (Corpus Christi)  
 San Angelo: \*NS 102.7 20 kW, 367 ft.  
 Seadrift: KMAT105.1 NO-RE  
 Shamrock: KRMM 92.7 NW, soft AC  
 Three Rivers: \*\*\* 100.9 PA: add class A  
 Wake Village: \*NS 92.5 6 kW, 328 ft.  
 Winters: \*NS 96.1 6 kW, 328 ft.  
 Zapata: KBAW 93.5 CC (NS)

## UTAH:

Logan: \*NS 89.5 800w, -617 ft.  
 Midvale: KQMB102.7 PG< 25.5 kW, 3736 ft  
 XG: 40-39-35 / 112-12-05  
 Monroe: \*\*\* 99.3 GA: add class C2  
 Price: KARB 98.3 adds Radio 1 country (&)  
 Randolph: \*NS 102.3 480 w, 1128 ft.  
 Richfield: KRFD 97.5 31.7 kW, 3027 ft., CC(NS)

## VERMONT:

Johnson: WJSC 90.7 PG> 200 w  
 Putney: \*NS 91.9 AF

## VIRGINIA:

Cape Charles: \*NS89.1 AF  
 Crewe: WKJS104.7 FC to urban AC (Richmond)  
 Emporia: \*NS 89.3 AF  
 Falmouth: \*NS 104.5 6 kW, 328 ft  
 Jonesville: \*NS 99.1 6 kW, 213 ft.  
 Lynchburg: W208AP 89.5NS-10w: WVTF 89.1  
 Manassas: WJFK106.7 PG> 50 kW, 462 ft, DA  
 XG: 38-53-13 / 77-12-03  
 Mathews: \*NS 89.1 AF  
 Nassawadox: \*\*\* 98.3 XA: add class A  
 Norfolk: WNSB 91.1 PG< 8.1 kW, 433 ft  
 XG: 36-46-32 / 76-23-11

Petersburg:WSQJ100.3 FC to urban (Richmond)  
 Petersburg: WVST91.3 NC to 2.2 kW (v), 167', RE  
 Pound: WDXC102.3 adds WW1 country (&)  
 Ruckersville: WVSY101.9 adds Jones soft AC (&)

## WASHINGTON:

Clarkston: KVAB102.9 NW, WW1 soft AC (&)  
 Eatonville: KKBY104.9 FC to urban "Y-104.9"  
 Edmonds: KCMS105.3 PG< 50 kW, 1289 ft  
 XG: 47-32-40 / 122-06-26

Ephrata: KULE 95.9 NC to 92.3 - C2, 20 kW, GE  
 Moses Lake: KMLW88.3 LC

Naches: \*NS 99.3 130w, 2083 ft.  
 Ocean Shores: \*\*\* 93.5 GA: add class A  
 Shelton: \*NS 94.5 660w, 987 ft.  
 Yakima: KYPL 91.1 NO-RE

## WEST VIRGINIA:

Petersburg:WAUA 89.5 NW, news.classical.jazz  
 Salem: \*NS 103.3 3.3 kW, 443 ft.

## WISCONSIN:

Barron: \*NS 97.7 3.3 kW, 446 ft  
 Berlin: WISS 102.3 NC to 104.7, 1.5 kW, RE  
 DeForest: \*NS 93.1 6 kW, 328 ft.  
 Siren: \*NS 105.7 6 kW, 328 ft.  
 Sister Bay: WAQB 89.7 CC (NS)  
 Superior: \*NS 88.5 AF  
 Wautoma: \*NS 102.3 6 kW, 151 ft.  
 Wentworth: \*NS 88.1 AF  
 Whiting: WYTE 96.7 XC: 44-38-33 / 89-51-24

## WYOMING:

Casper: KQLT 103.7 PC< 96.6 kW, 1860 ft  
 XC: 42-44-37 / 106-18-31  
 Green River: \*NS101.5 100 kW, 1138 ft  
 Jackson: \*NS 93.3 100 kW, 1069 ft.  
 Pinedale: KPIN 101.1 NW, oldies/country  
 Thermopolis: \*NS 98.3 AF

## U.S. TERRITORIES:

## AMERICAN SAMOA:

Pago Pago: \*NS 93.1 500w, -325 ft.

## PUERTO RICO:

Carolina: WVOZ107.7 CC (ex WAHQ)

## VIRGIN ISLANDS:

Charlottesville: WARD 93.1 CC (NS)



## CANADA

## ALBERTA:

Calgary: CJSI 88.9 PG< 19 kW "Shine 89"  
 Canmore: CJMT 106.5 CC (ex CFHC), FC to  
 adult contemporary, QC from 1450  
 Medicine Hat: CJCY1390 QG to 96.1 - 100 kW  
 Taber: CKTA 1570 wanted to move to 1090  
 and add 92.7 - 42 w. This was DENIED

## BRITISH COLUMBIA:

Castlegar: CKQR 760 QG to 99.3 / 333 w  
 also granted 104.1 / 19.9 w relay in Trail  
 Ft.St.John: CHRX 98.5 FC to hot AC "Energy 98.5"  
 Revelstoke: \*NS 97.1 12.6 w, tourist station  
 Vanderhoof: CIRX-1 95.9 granted permission to  
 originate programming (new calls coming?)

## NEW BRUNSWICK:

Big Cove: CFTI 101.5 QG to 101.1, PG> 50 w  
 Edmunston:CJEM 570 QG to 92.7 - 40,750 watts  
 AM relay CKMW will be deleted if the new FM  
 coverage is adequate.

## NORTHWEST TERRITORIES:

Iqaluit: \*NS 89.9 10 w

## NOVA SCOTIA:

Antigonish: \*NS 98.9 1.9 kW, // CJFX 580, will  
 replace that AM station in the year 2004.

## ONTARIO:

Burlington: CING 107.9 FC to mainstream CHR  
 Chatham: CFCO 630 wants 94.3 / 50 kW to  
 simulcast, not replace, the AM  
 Kingston: CBCK107.5 changes from relaying  
 CBC 1 CBL Toronto to CBO 91.5 Toronto  
 Lindsay: CKLY 910 PG to 91.9 - 14 kW  
 N.Liskeard: CJTT 1240 QG to 104.5 - 10 kW  
 Penetanguishene: \*NS 89.7 2.8 kW, // CBL 99.1

## QUÉBEC:

Armagh: CFIN 103.9 PC> 1390 w.  
 Chicoutimi: CBJE 107.9 QG to 102.7, PG<30 kW  
 Lenoxville: CJMQ 88.9 PG> 500 w.

## YUKON:

Lower Post: CHON98.1 granted relay here, 3 w

• Thanks to M Street Journal for another year of helping out the WTFDA!! Most of the items in this column come from that publication. Write M Street at the address in this column's masthead for subscription information. Thanks also to the other people who contributed this month, including Saul Chemos, Doug Smith, Bruce Elving of FMedia!, Chip Kelley, Frank Aden, and Dennis Park Smith.

(continued on page 26....)

• There is another update to last month's story about 102.3 in the Corpus Christi market. Recall that the station recently returned to the air with a dance format as KZJM "Jams". Rival station KZFM 95.5 brought them to court, for using that slogan, which KZFM has used for quite some time now. The station went dark in the interim. The station was finally cleared to come back on the air on February 14th at noon .... only to be knocked off the air only 6 MINUTES later by a wind gust of 65 mph!! (Talk about bad luck, hi). The station has finally returned to the air for good, this time as KBTE "The Beat". They are restricted to using the "Jamz" slogan only eight times per day.

• The Z-Spanish network has been operating its fast growing "La Zeta" Spanish station format since 1992 from its base in Sacramento, Calif. The network is debuting two new Spanish language formats: "La Buena", which features traditional Regional Mexican music, and "La Bonita", which plays "romantic" Spanish Adult Contemporary. All of this is in conjunction with the Jones Radio Network. Both of these new networks are expected to add several stations shortly.

• Another new proposal to the FCC to create a new class of low-power FMs, this time from TRA Communications Consultant Rodger Skinner. To combat the consolidation of radio station ownership groups, Skinner proposes a "Class D" community license type of station that could go up to 3 kW & 328 ft, providing coverage for up to 15 miles (this is more aggressive than the RM-9208 proposal of a few weeks ago, which would only allow 1 watt at 50 feet HAAT). Skinner also suggests that the owner of a group would have to live within 50 miles of all their stations. (Think how many stations some companies would have to sell!) There is more information on the Internet at <http://www.concentric.net/~radiotv>.

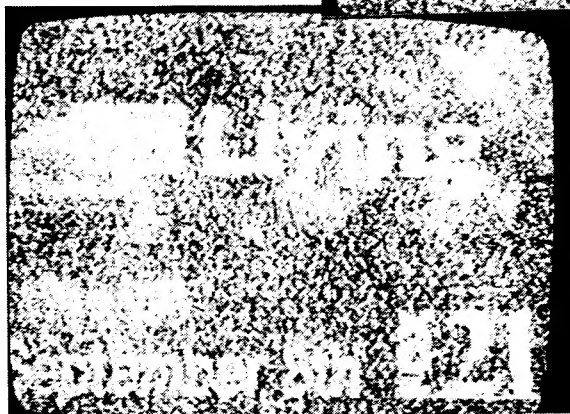
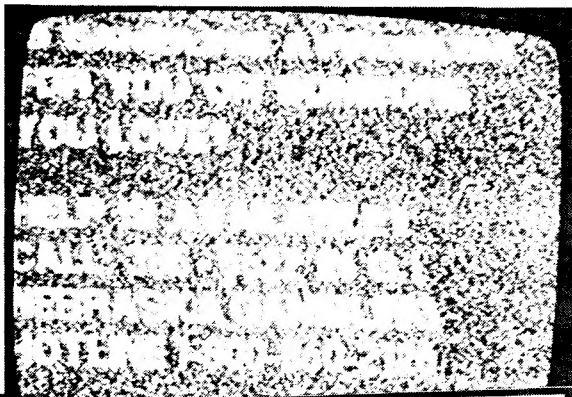
• Several updates from Southern California were sent by Dennis Park Smith. First, the local pirate in Santa Barbara, "KPRV" has been bumped off both 107.7 & 102.3 by legitimate signals. After a few days drifting around 90.5 & 90.3, they ended up on 88.1. After late January, however, KRPV has not been heard at all ... On a trip to Wasco, Calif., Dennis noted KPRX 89.1 Bakersfield, off the air, but not really: They were on the air rebroadcasting noise. This station relays KVPR 89.3 Fresno. Apparently, when KVPR signed off, KPRX's x-mtr stayed on the air. Dennis wonders if the FCC does anything about

Jeff Kruszka, Editor  
5024 S. Braxton Ave.  
Baton Rouge, LA 70817  
JTKruszka@worldnet.att.net

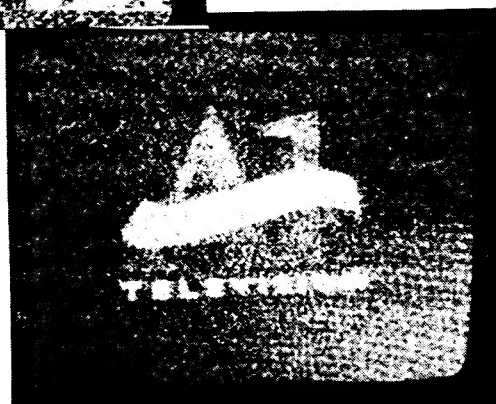
April 1998

Here's the rest of the photos from Jeff Kadet, Macomb, IL:

K56FC-56 Grand Island, NE  
403 mi Tr seen 9/4/97  
@0410 CDT  
"bulletin board"



W69CN-69 Bryson City, NC  
527 mi Tr seen 9/4/97  
@0145 CDT  
"xltr of WHNS-21 Asheville"



W55BJ-55 Jasper, AL  
492mi Tr seen 9/18/97  
@0129 CDT  
"America One network"

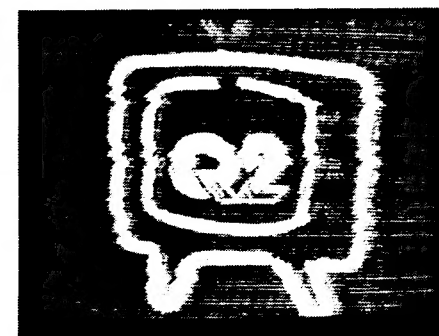
Now more awesome E-skip from Danny Oglethorpe, Shreveport, LA:

Support what you watch.

Write: KACV-TV  
P.O. Box 447  
Amarillo, Texas 79178  
or call  
377-5479  
1-800-999-9243

KACV-2 Amarillo, TX  
501 mi Es seen 6/24/97  
@ 2159 CT

KTVQ-2 Billings, MT  
1215 mi Es seen 6/25/97  
@2000 CT  
"Q2"

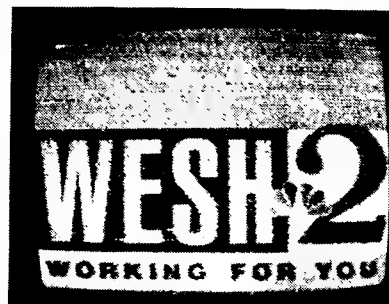


60s TOMORROW  
North Platte 73  
Valentine 71  
80s 90s

KNOP-2 North Platte, NE  
717 mi Es seen 7/2/97  
@1815 CT

KTWO-2 Casper, WY  
996 mi Es seen 7/2/97  
@1850 CT  
"K2"





WESH-2 Daytona Beach, FL  
789 mi Es seen 7/16/97  
@1000 CT



WDTN-2 Dayton, OH  
735 mi Es seen 7/16/97  
@1100 CT

The rest of Danny's photos next month, including El Salvador!

73's, Jeff

**TIME FOR YOU TO RENEW?**

**PLEASE NOTE THE NEW CLUB ADDRESS:**

**WTFDA,**

**PO BOX 501,**

**SOMERSVILLE, CT 06072-0501**

# NORTHERN FM-DX

GREG CONIGLIO  
90 SLATE CREEK DR. APT #3  
CHEEKTOWAGA, NEW YORK 14227

e-mail: coniglio@localnet.com

For DXers in: MA,NH,VT,CT,MA,RI,NY,PA,NJ,OH,MI,IN,IL,WI,MN,IA,NE,SD,ND,MT,WY,ID,WA,OR,AK,Canada  
**APRIL 1998 DEADLINE: The 5th LOG CUTOFF: 3 mos. from postmark**

Not too much DX going on, apparently, even with the relative warmth of "El Nino" in the east. Hopefully things will pick up soon. I want to take this opportunity to thank Mike Bugaj for agreeing to handle the club mail duties, and the MAILBOX column. We're sure he'll do a great job! And thanks to Dave Nieman for agreeing to host the WTFDA Convention this year. I'm already looking forward to that weekend in Olean! ...

**DAVE NIEMAN - HO STA GEH ROAD - ROCK CITY NEW YORK 14749**

Equipment: Carver TX-11 tuner; IF filter modified. Channel Master model 4408 (Stereo Probe 9) at 39 feet AGL on a Alliance HD-73 rotor. Winegard FT-7600 variable FM trap for 95.7MHz, Belden RG-11/u coax feed.

New loggings are underlined.

## JANUARY 1998 DX

3 tropo  
1331 {WOLF} 96.7 NY Oswego, call, t\$,  
ex WZOS 146

## FEBRUARY 1998 DX

1 troposcatter  
1010 WMGH 105.5 PA Tamaqua, call+  
"Magic-105.5", e\$ (Sunday  
morning programming) 152  
1200 WKHS 90.5 MD Worton, ID, p\$ 226  
14 Groundwave  
1400 W220BU 91.9 PA St. Mary's, g\$  
WCIQ 89.1 ID 43

## FEBRUARY 1998 DX

20 Meteorscatter  
1438 KEEZ 99.1 MN Mankato, "Z-99", r\$ 814  
21 troposcatter  
0804 {WXGD} 105.1 MI Detroit, "105 dot 1..The  
Edge", p\$, ex. WQRS 243  
0914 WQHQ 104.7 MD Ocean City,  
"Q-105", r\$ 301  
1038 WCMU 89.5 MI Mt. Pleasant,  
"CMU radio", j\$ 336  
1041 WCML 91.9 MI Alpena, //WCMU 89.5 357  
1100 WQBQ 104.9 MI Alma, ID, r\$ 325  
1237 WPQR 99.3 PA Uniontown, "Soft hits 99"  
"Q-99 & 1340 WCBT", rm\$ 161

Dave

## MORE FM NEWS

• Danny Oglethorpe sends an item from the January 24th *Shreveport Times* about a new station signing on to serve that market. KSYR 95.7 (Minden) has signed on with an "adult contemporary" format. The original target date was last November, but the station ran into problems: The original tower that was built for KSYR, located atop a hill in Filmore, would not support the antenna! The station had to end up building a new tower 826 ft. away from the original. This meant reapplying to the FCC for the new location. The station has finally gotten over all of these problems, and is currently on the air. Thanks for the kind words, Danny, and for the article!

• Dennis Smith sent a quick update, noting that he has still not solved the "Radio Nueva Vida" mystery on 98.7. He originally thought it might be K254AH, relaying KMRO 90.3 instead of KPFFK 90.7. However, a one second delay noted on other translators of KMRO was also noted on the 98.7. This would tend to suggest that the 98.7 signal is really either another translator of KMRO, or off satellite, but not directly off 90.3. Hopefully we can figure this one out! Dennis also noted a little bit of tropo recently, picking up "Pure Country Kick FM" on 94.3. FM Atlas lists KIKF San Fernando and KYKF Garden Grove (Orange Co.). Later, Dennis noted the KIKF calls, but only Garden Grove/Anaheim/Los Angeles mentioned. Dennis, I can't find records of this right now, but I seem to recall the San Fernando station going off and doing its own format, leaving only KYKF to the country format, this happening after Bruce's press time on the FM Atlas. Maybe after this happend, KYKF grabbed the KIKF calls? I know they used to simulcast, but I'm don't think they do now.

# Southern FM DX

John Longo  
4009 Driftwood Circle  
Yukon, OK 73099  
E-mail: Jpzondlo@aol.com  
Deadline: 10th

April 1998

For DXers in AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MS, NC, NV, OK, SC, TN, TX, UT, WV and Mexico

Check out my new website: FM DX Web!  
Http://members.aol.com/fmdxweb

Pat Dyer - WA5IYX  
5315 Silvertip Drive  
San Antonio, TX 78228-2744  
http://home.swbell.net/pjdyer/index.html  
pjdyer3@juno.com CST

Realistic TM-1001 tuner (two IF mod w/150 kHz filters) into Allied 426. 52 ohm step-attenuator box used to reduce local intermod/overload when needed. 6 element Archer antenna at 20' with rotor.

12/9 Tr  
0924 WKZB 93.5 AL Butler, "The Rocket," local ad, "ZB" 628

0934 WYCL 107.3 FL Pensacola, "Cool 107" 674  
0935 WKSJ 94.9 AL Mobile, local ad 659  
1552 KIKT 93.5 TX Greenville, local ad 297

12/9 Es  
1354 WCOL 92.3 OH Columbus, ID 1141  
1407 WPCX 94.9 GA Atlanta, "Peach" 890  
1558 WHEX 92.7 GA St. Simons Island, "The Fox" 1027

1602 WFSJ 97.9 FL St. Augustine, "Smooth Jazz," ID 1027

1603 WQPW 95.7 GA Valdosta, ID 929  
1606 WGLF 104.1 FL Tallahassee, "Gulf 104" 875  
1619 WFGA 103.3 GA Waycross, "Sunny 103" 998  
1623 WNFK 105.5 FL Perry, area ad 899  
1624 WXMK 105.9 GA Dock Junction, area ads 1026  
1627 WROO 107.3 FL Jacksonville, local ad 1021  
1631 WOKF 92.5 GA Folkston, area nx 999  
1632 WKSJ 94.9 AL Mobile, ID 659  
1635 WKQL 96.9 FL Jacksonville, "Cool 96.9" 1022  
1638 KIQK 104.1 SD Rapid City, "Kick 104," local ad 1038

1642 WACJ 94.5 SC Bowman, area ad 1085  
1703 WEOV 92.5 FL Key West, ID 1101  
1708 WKRY 93.5 FL Key West, cx 1090  
1718 WHQG 95.7 FL Ormond-by-the-Sea, "The Hog" 1054

1724 WVIC 94.9 MI East Lansing, area ad 1198  
1726 WCFB 94.5 FL Daytona Beach, "Star 94" 1033  
1736 WWKA 92.3 FL Orlando, k, "K-92" 1058  
1737 WLRX 95.7 IN Nappanee, "Star 96," area ad 1085

1740 WEBX 93.5 IL Tuscola, "The Web" 928  
1742 WFMK 99.1 MI East Lansing, ID 1202  
1743 WAZY 96.5 IN Lafayette, ID 994  
1744 WKFR 103.3 MI Battle Creek, ID 1156  
1748 WDNL 102.1 IL Danville, ID 964  
1750 WZOW 97.7 IN Goshen, area ad 1098  
1752 WKIO 92.5 IL Urbana, "Oldies 92" 940  
1819 KVOD 92.5 CO Greeley, cx 817

12/10 Es  
1203 WQSL 92.3 NC Jacksonville, "Q-92 Carolina" 1285

1301 WWMX 97.7 SC Georgetown, "Mix 97.7" 1184  
1301 WYAV 104.1 SC Myrtle Beach, "Wave" 1184  
1302 WDOG 93.5 SC Allendale, area ad 1048  
1304 WBAW 99.1 SC Barnwell, local ad 1048  
1306 WRNN 94.5 SC Murrells Inlet, Limbaugh 1184  
1309 WWBD 95.7 SC Bamberg, Limbaugh 1065  
1317 WZNY 105.7 GA Augusta, "Y-105," local ad 1024

1321 WACJ 94.5 SC Bowman, area ad 1085  
1322 WIIZ 97.9 SC Blackville, area nx 1046  
1325 WJZK 96.9 SC Charleston, local ad 1140  
1329 WHLZ 92.5 SC Manning, ID 1130  
1337 WHKN 94.9 GA Millen, ID 1014  
1341 WVOH 93.5 GA Hazlehurst, ID 966  
1342 WBYZ 94.5 GA Baxley, area ads 972  
1422 KLKX 93.5 CA Rosamond, area ad 1208  
1426 KAVS 97.7 CA Mojave, area ID 1204  
1427 KZOZ 93.3 CA San Luis Obispo, ID 1347  
1430 KFOX 93.5 CA Redondo Beach, Korean 1199  
1431 KNJO 92.7 CA Thousand Oaks, "Lite 92.7" 1234

1435 KDDB 92.5 CA Paso Robles, k, "B-92," area ID 1347

1436 KLOS 95.5 CA Los Angeles, ID 1187  
1437 KTWV 94.7 CA Los Angeles, "The Wave" 1187  
1440 KOCP 95.9 CA Camarillo, area ad, classic r 1242

1446 KKBK 92.3 CA Los Angeles, area call-in 1187  
1453 KLAX 97.9 CA Long Beach, SS, "La-X" 1202  
1455 KSEG 96.9 CA Sacramento, "Eagle 96.9" 1450  
1458 KEDJ 106.3 AZ Sun City, "The Edge" 855  
1500 KDUQ 105.7 CA Ludlow, ID 1089

1501 KRCY 105.9 AZ Kingman, area ad 997  
1504 KDUC 94.3 CA Barstow, //105.7 1142  
1505 KSNE 106.5 NV Las Vegas, "Sunny" 1054  
1506 KJUL 104.3 NV North Las Vegas, ID 1079  
1508 KRFM 96.5 AZ Show Low, area ad 742  
1511 KBGO 93.1 NV Las Vegas, "Big Oldies" 1079  
1512 KOMP 92.3 NV Las Vegas, ID 1079  
1518 KVWM 93.5 AZ Show Low, ID 747

1520 KADD 93.5 NV Laughlin, local ad 997  
1525 KBZT 94.9 CA San Diego, "K-Best" 1126  
1531 KSSD 92.5 UT Cedar City, area ID 1020  
1535 KKOR 94.5 NM Gallup, local PSA 698  
1538 KSNN 93.5 UT St. George, local ad 1012  
1541 KXXI 93.7 NM Gallup, local ad 725  
1542 KEMQ 106.1 NM Gallup, town ad, "Q-106" 723  
1546 KWNR 95.5 NV Las Vegas, local ad 1054  
1554 KREC 98.1 UT Brian Head, area ad, "Classy 98" 1002

1557 KLUC 98.5 NV Las Vegas, ID 1054  
1559 KXAZ 93.3 AZ Page, ID 917  
1600 KTHQ 92.5 AZ Eagar, area ad 724  
1608 KZHK 95.9 UT St. George, "The Hawk" 1000  
1700 KUBL 93.3 UT Salt Lake City, "K-Bull" 1089  
1707 KCYQ 93.7 UT Richfield, ID, "Q-93.7," area ads 1002

1727 KZHT 94.9 UT Provo, ID 1061  
1732 KUMT 105.7 UT Centerville, rk, "The Mountain" 1089

1733 KSOP 104.3 UT Salt Lake City, ID 1089  
1735 KBZN 97.9 UT Ogden, "Smooth Jazz" 1089

## Southern FM DX

Dyer continued

1743 KKMV 92.5 ID Rupert, area ad 1220  
1904 WCLR 95.7 OH Piqua, "Cool 95" 1097  
1904 WVKs 92.5 OH Toledo, area ad, "Kiss" 1183  
1910 WKHY 93.5 IN Lafayette, "KHY" 1000  
1917 WZWZ 92.5 IN Kokomo, "Z-92.5," town ID 1033

1923 WKIO 92.5 IL Urbana, "Oldies 92" 940  
1926 WVIC 94.9 MI East Lansing, local ad 1198  
1941 WNIW 96.9 IL Zion, cx 1080

12/13 Ms  
0724 WLRW 94.5 IL Champaign, area ad, new mode 939  
0725 KSKL 94.5 KS Scott City, local ad, new mode 640

12/15 Es  
1651 XHIMER 94.5 DF Mexico City, cx 690  
1655 XHMRD 104.9 DF Mexico City, "FM Globo" 690  
1657 XERC 97.7 DF Mexico City, ID 690  
1703 XHEDT 93.3 MX Toluca, ID 700  
1801 XHPZ 96.7 JA Ciudad Guzman, ID 735  
1815 XHGRC 97.7 GR Acapulco, town ID 870  
1819 XHNU 94.5 GR Acapulco, "La FM 95" 870  
1826 XHPO 103.9 GR Acapulco, town ID 870  
1831 XHRJ 92.5 MX Toluca, ID 700

12/18 Es  
1124 WNCU 90.7 NC Durham, ID 1226

12/27 Es  
1805 WKRY 93.5 FL Key West, ID 1090  
1813 WFLZ 93.3 FL Tampa, area ad 996  
1817 WWRM 94.9 FL Tampa, area ad, "Warm" 997  
1817 WMTX 95.7 FL Clearwater, area ad 974  
1821 WTKA 92.3 FL Orlando, k, "K-92" 1058  
1821 WHTQ 96.5 FL Orlando, Jaguar postgame show 1059

1823 WCFB 94.5 FL Daytona Beach, area ad 1033  
1825 WMMO 98.9 FL Orlando, area ad 1041  
1826 WKTK 98.5 FL Crystal River, area ad 965  
1836 WOGK 93.7 FL Ocala, area/local ads, "K-Country" 994  
1841 WYOC 104.9 FL High Springs, area ad, ID 962  
1844 WNFb 94.3 FL Lake City, Jaguar postgame show 943

1845 WOCL 105.9 FL DeLand, rk, "Cool 105" 1042

1847 WRBA 95.9 FL Springfield, rk, "Arrow 95.9" 779

1847 WKQL 96.9 FL Jacksonville, Jaguar postgame show 1021

1850 WFSJ 97.9 FL St. Augustine, "Smooth Jazz" 1027

1854 WTRS 102.3 FL Dunnellon, area ad 975  
1856 WFKS 99.9 FL Palatka, "Kiss FM" 1038  
1909 WJXR 92.1 FL Maccleddy, Jaguar postgame 994

1912 WQIK 99.1 FL Jacksonville, ID 1021  
1916 WQPW 95.7 GA Valdosta, local PSA 929  
1929 WPLA 93.3 FL Callahan, area ad 1021  
2033 WMCU 89.7 FL Miami Beach, ID 1142

12/28 Es  
2035 WRAS 88.5 GA Atlanta, "Album 88," state PSA 890

2050 WPCX 94.9 GA Atlanta, "Peach" 890

12/27 Tr  
2102 KXBJ 89.3 TX Victoria, town ID 109

1522 WRMF 97.9 FL Palm Beach, local ad 1139  
1629 WVTF 89.1 VA Roanoke, ID, local KSTX off 1188  
1640 WXRA 94.5 NC Eden, "rock alternative" 1181  
1650 WRRK 96.9 PA Braddock, area ID, "Channel 97" 1295

April 1998

1701 WKIO 92.5 IL Urbana, "Oldies 92 5" 940  
1707 WZIQ 94.9 OH South Webster, "The Comet" 1110

1723 WWSW 94.5 PA Pittsburgh, "3W-S" 1294  
1738 WNCI 97.9 OH Columbus, ID 1142  
1741 WNED 94.5 NY Buffalo, cx 1427

1922 WQMX 94.9 OH Medina, ID 1245  
1925 WKDD 96.5 OH Akron, ID 1254  
1929 WYGY 96.5 OH Hamilton, k, "Y-96" 1060

1931 WKJL 93.3 OH Chillicothe, town ID 1123  
1941 WQAL 104.1 OH Cleveland, "Q-104," town ID 1523

1958 WKKC 104.9 OH Caldwell, area ads 1198  
2006 WZKL 92.5 OH Alliance, area ads 1256  
2012 WPAY 104.1 OH Portsmouth, area ads 1095

2013 WKKN 99.1 KY Edmonton, ID, area ad 915  
2015 WMXL 94.5 KY Lexington, local ad 1007  
2016 WQMF 95.7 IN Jeffersonville, classic rk, "QMF" 940

2019 WCKQ 104.1 KY Campbellsville, local ad 935  
2020 WVRB 105.9 KY Wilmore, area ad 982  
2022 WCYQ 106.1 KY Irvine, area ads 1016

2028 WRAC 103.1 OH West Union, area ad 1072  
2031 WNDI 95.3 IN Sullivan, local ad 919  
2036 WRRR 93.9 WV St. Marys, "93-R" 1202

2042 WCLR 95.7 OH Piqua, area ad 1097  
2045 WLRs 102.3 KY Louisville, "LRS" 952  
2054 WGRS 96.9 KY Paris, "Kiss FM" 1011

2110 WEGZ 94.5 TN Lobelville, ID, "Froggy" 762  
2111 WBKR 92.5 KY Owensboro, ID 869

12/29 Es  
1732 XHCC 89.3 CY Colima, ID, "Volcan FM" 800  
1737 XHPZ 96.7 JA Ciudad Guzman, city ID 735

1742 XETIA 97.9 JA Guadalajara, state ID 670  
1743 XHIMER 94.5 DF Mexico City, cx 690  
1750 XHJO 105.9 JA Guadalajara, state ID 670

1807 XHORO 94.9 PU Puebla, "Radio Oro" 715  
1812 XHDK 94.7 JA Guadalajara, state ID 670  
1813 XHNY 93.5 GT Irapuato, state ID 630

1835 XHGRC 97.7 GR Acapulco, city ID 870  
1837 XHNC 98.9 MX Toluca, "Stereo Miled" 700  
1839 XEOY 89.7 DF Mexico City, "Morena" 690

1840 XHZM 92.5 PU Puebla, city ID 715  
1841 XEDF 104.1 DF Mexico City, "Radio Una" 690  
1841 XHAGE 102.3 GR Acapulco, city ID 870

1844 XEW 96.9 DF Mexico City, ID, "W-FM" 690

1856 XHM 88.9 DF Mexico City, ID 690  
1932 XHLBS 92.5 BCS Loreto, "Stereo Loreto" 830  
2000 XHFL 90.5 SO Ciudad Obregon, city ID 700

2004 KBZT 94.9 CA San Diego, "Best 95" 1126  
2008 XHRM 92.5 BCN Tijuana, "The Flash" 1111  
2012 KYXY 96.5 CA San Diego, local ad 1124

2013 XETRA 91.1 BCN Tijuana, ID, area ads 1112  
2015 KMCG 95.7 CA Carlsbad, "Magic 95.7" 1126

2146 XHITT 88.7 BCN Tijuana, local wx 1111  
2233 XHUSS 92.3 SO Hermosillo, town ID 745

12/30 Es  
1645 KTHQ 92.5 AZ Eagar, area ads, ID 724  
1647 KVMW 93.5 AZ Show Low, local ad 747

1656 KOOL 94.5 AZ Phoenix, state ad 837  
1727 KWNR 95.5 NV Las Vegas, ID 1052  
1732 KILA 90.5 NV Henderson, rel, ID 1052

1735 KNAA 90.7 AZ Show Low, local ad 747  
1738 KZGL 95.9 AZ Cottonwood, ID 869  
1741 KUNV 91.5 NV Las Vegas, traffic rpt 1054

1742 KADD 93.5 NV Laughlin, local ads, "K-Hits" 997  
1749 KJZZ 91.5 AZ Phoenix, ID 838  
1819 KWST 94.5 CA Brawley, area ad 1026

# Southern FM DX

Dyer continued

1820 XHBA	104.1	BCN	Mexicali, cx	1019
1823 KLKX	93.5	CA	Rosamond, "Classic Rock 93.5"	1208
1824 KPWR	105.9	CA	Los Angeles, "Power 106"	1187
1825 XHSLR	107.9	SO	San Luis Rio Colorado, town ID	979
1826 KKG0	105.1	CA	Los Angeles, cx, ID	1188
1827 KLOS	95.5	CA	Los Angeles, ID	1187
1835 KCLB	93.7	CA	Coachella, ID	1078
1835 KKB7	92.3	CA	Los Angeles, area ad	187
1836 XHRM	92.5	BCN	Tijuana, "The Flash"	1111
1837 KBZT	94.9	CA	San Diego, local ad	1126
1838 KTWV	94.7	CA	San Angeles, local ad	1187
1842 XHCMS	105.5	BCN	Michoacan de Ocampo, area	ad 1010
1851 KMC6	95.7	CA	Carlsbad, traffic rpt	1126
1853 KHTS	93.3	CA	El Cajon, area ads, "Channel 93"	1107
1854 XHMOE	90.7	BCN	Mexicali, "90.7"	1021
1856 KGB	101.5	CA	San Diego, local ad	1116
1856 KIFM	98.1	CA	San Diego, local ad	1126
1858 KPBS	89.5	CA	San Diego, ID	1107
1902 KYXY	96.5	CA	San Diego, ID	1124
1902 XETRA	91.1	BCN	Tijuana, "91-X"	1112
1903 XHITZ	90.3	BCN	Tijuana, rap, "Z"	1112
12/31 Es				
1553 KMC6	95.7	CA	Carlsbad, area ad, "Magic 95.7"	1126
1609 KTWV	94.7	CA	Los Angeles, smooth j, "The Wave"	1187
1621 XHRM	92.5	BCN	Tijuana, area ad	1111
1623 KLKX	93.5	CA	Rosamond, "Classic Rock"	1208
1628 KBZT	94.9	CA	San Diego, "K-Best"	1126
1629 KTLW	88.9	CA	Lancaster, ID	1201
1645 KYXY	96.5	CA	San Diego, ID	1124
1650 KFOX	93.5	CA	Redondo Beach, Korean	1199
1653 KLAX	97.9	CA	Long Beach, SS, ID	1202
1656 KGB	101.5	CA	San Diego, ID	1116
1700 XHNAI	89.5	CH	Tonala, ID	995
1704 KWVE	107.9	CA	San Clemente, ID	1151
1705 KKG0	105.1	CA	Los Angeles, cx, ID	1188
1710 KLOS	95.5	CA	Los Angeles, ID	1187
1711 XETRA	91.1	BCN	Tijuana, "91-X"	1112
1713 KCBS	93.1	CA	Los Angeles, "Arrow 93"	1188
1737 KHKK	104.1	CA	Modesto, "The Hawk"	1429
1740 KJSN	102.3	CA	Modesto, local ad, "Sunny 102"	1401
1749 KDB	93.7	CA	Santa Barbara, cx	1281
1751 KJLH	102.3	CA	Compton, ID	1201
1754 KEZN	103.1	CA	Palm Desert, "EZ-103"	1091
1755 KPLM	106.1	CA	Palm Springs, area ad	1079
1755 KACE	103.9	CA	Inglewood, ID	1202
1758 KHAY	100.7	CA	Ventura, ID	1260
1758 KPWR	105.9	CA	Los Angeles, "Power 106"	1187
1802 KRCY	105.9	AZ	Kingman, area ID	997
1803 KEDJ	106.3	AZ	San City, "The Edge"	855
1804 KVVA	107.1	AZ	Apache Junction, area ad	815
1810 KKB7	92.3	CA	Los Angeles, "The Beat"	1187
1829 XHSAV	92.7	VC	San Andres Tuxtla, city ID	770
1850 XHKW	91.5	MC	Morelia, city ID	695
1854 XHRN	96.5	VC	Veracruz, city ID	720
1859 ?????	88.9	BE	Belize City, BBC	1080
1914 XHCC	89.3	CF	Colima, town ID	800
1930 XHIMER	94.5	DY	Mexico City, CX	690
1931 XERFR	103.3	DF	Mexico City, "Formula 103"	690
1955 XHNP	89.3	PU	Puebla, "Romantica FM," //1120	715
12/31 Tr				
1708 KKJW	105.9	TX	Stanton, k, area ID	252

# April 1998

For me at least, a record amount of FM Es for any December in some 25+ years of tracking this. Levels continued high on into January (those tapes are yet to be reviewed). The Geminid meteor rates were very good, but in-state tropo limited the available channels to park on. The December 9 logging of WKSJ via tropo and then via Es within 7 hours is a very rare circumstance. 73, Pat - WA5IYX



Fernando Garcia  
San Salvador 415 Rincon de la Sierra  
Ciudad Guadalupe, NL, 6781, Mexico  
fertrivd@sdm.net.mx CST

Sony STR6046A w/CM-1110 at 30', Pioneer KE2700QR car stereo

2/25 Tr				
0650 KESO	92.7	TX	South Padre Island, area ads	
0735 WJDX	96.3	MS	Jackson, wx, "Mix 96.3"	
0740 WWGR	101.9	FL	Fort Myers, area ads	

The last two were logged from car as I was driving to work. Jackson station still heard at 8AM and about 300' down.

2/26 gw				
0740 XHXL	92.1	NL	Monterrey, off of its frequency of 91.7 over semi-local XHGB0, it was back to 91.7 by mid-day	

3/4 Tr				
0657 KEJS	106.5	TX	Lubbock, SS, "Power 106"	
0701 KKJW	105.9	TX	Stanton, ads, k	
0703 KLLL	96.3	TX	Lubbock, "Big 96, K-Triple L," wx, calls	
0715 KFMX	94.5	TX	Lubbock, r, o/u KFRQ	
0718 KXTQ	93.7	TX	Lubbock, "Magic 93.7," ad for channel 22 UPN	
0730 KJAK	92.7	TX	Slaton, calls, wx, rel	
3/5 Tr				
0730 XHMU	90.1	TA	Tampico, "La Huasteca," ads	
0735 XHOX	95.3	TA	Tampico, "FM Globo," ads	
0740 XHHF	96.9	TA	Tampico, "97 FM," area ads, o/KMMV	

0745 XHRN	96.5	VC	Veracruz, nxcst "Primeras Noticias"	
0755 XHTPO	94.5	TA	Tampico, "Super Estelar," o/KFRQ	
0800 XHMDR	103.1	TA	Tampico, "Stereo Recuerdo," full ID	
0805 XH??	92.7	VC	??, "La Primerisima de Oro," nxcst "A Tiempo," this matches slogan and newscast from XHSAV 102.7 San Andres Tuxtla VE with 120 kw	

3/6 Tr				
0630 XHPP	93.5	TA	Tampico, calls, "La Poderosa"	
3/7 Tr				
0500 XHJT	100.1	TA	Tampico, "Stereo Rey"	
0650 XHON	96.1	TA	Tampico, "Fiesta Mexicana, Radiorama"	
0900 XHRN	96.5	VC	Veracruz, "RN La Tropical, Grupo FM Veracruz"	

# Southern FM DX

Garcia continued

3/7 loggings third day in a row with tropo opening to SE, no TV DX due to overcrowded VHF channels and lack of UHF stations in the area, only 24 Tampico blasting in. 73's Fernando

**Shel Remington - NI6E**  
Box 1222  
Keeau, HI 96749  
(808) 967-7955  
W-SU, (808)  
929-8054 M-Tu  
hawaiidx@gte.net

(editor's note: Shel's report doesn't quite conform to normal SFM style, but considering the nature of it, I've decided to print it as submitted, with some sections edited, in a smaller typeface-jz)

I'm ecstatic to report to you the news of an unprecedented VHF tropo ducting event. For the first time the Pacific duct from Hawaii to North America has been shown to extend to the mainland of Mexico. What's more, this path traverses a distance of over 3,300 miles, which is similar to Miami-Seattle or Boston-Paris or Hawaii-Midland TX. I believe this extends the world DX records for tropo ducting and for FM broadcast reception by about 625 miles. I was the only DXer participating in this brief event, but I recorded announcements from the 3 stations heard. I've dubbed highlights of these tapes for Russ Sakai and he is encoding them with Real Audio 3 and putting them on his website so everyone can listen to the evidence for themselves (www.qsl.net/KH6F00). Please note, however, that any written materials regarding this event that you read on Russ' or other Internet sites are 2nd hand.

My location is 2,600' above sea level and 17 miles up the slopes of Kilauea Volcano from the ocean (for signals coming from North and Central America) in the SE part of the Big Island of Hawaii. For FM I use one pair of Channel Master Probe 9 antennas, vertically stacked at 20' and 30' above ground, with a clear shot at the ocean horizon. It's fed via RDX UA-60 baluns and Belden 1189A coax to a Winegard CC-7870 combiner, into a RDX UA-501 masthead GaAsFET preamp. It then goes to a solar-powered Pioneer KEH-P8200 receiver ("Super Tuner IV").

At 0421 UTC 2/13/98 I made a routine daily spotcheck at sunset here, checking 24 selected empty frequencies across the FM band. One of these, 89.5, had been on the list since June 1995, when I had received an unidentified Mexican on this frequency, mostly alone, on 3 consecutive days. Now I was hearing a weak signal on 89.5, with SS announcements and disco music. As it's signal strength slowly improved, I did a complete bandscan of 93 empty channels but found no other DX signal. So, back to 89.5, crank up the speaker volume, go outside and twist the antenna mast back and forth many times until certain of the peak direction. Result: about 80 degrees azimuth, which is 20 degrees south of the usual San Diego tropo bearing...odd.

Back to the headphones - I don't understand much SS, so I made sure to tape all announcements. This 89.5 was distinctive, with frequent non-IDs as "Spacio FM" by an energetic male DJ who occasionally dropped EE words in with the SS patter. The music was even more energetic: basically US EE hip-hop but straying even into Nashville country at one point, with reggae at another. Also noted a Tecate beer ad, but did not hear any call letters or geographical names, even across the hour of 0500 UTC. This is, unfortunately, normal for Mexican FMs.

# April 1998

Fading was extremely slow (several minute cycle), typical for these trans-Pacific ducts, with no indication that an ionospheric linkup was involved; this had to be pure tropo. At 0445-0452 the 89.5 signal dipped below the noise floor, then it came back and reached full (wideband stereo) quieting from 0458 to about 0603. It continued downward to final disappearance about 0615, which was the end of this opening. So this 89.5 mystery was first in, last out, and strongest by far of the 3 stations heard.

While 89.5 was strong, I did another full bandscan around 0502 UTC, which yielded no further DX signals. But a third try, around 0534, disclosed two weak ones, 92.9 with standard Mexican music, and 90.3 with old US soft rock. The 90.3 had weak SS talkers at 0546, during which I heard the estado Jalisco mentioned. It then vanished into the noise at around 0555 and did not return.

The 92.9 signal, luckily, stayed mostly readable despite buckshot from a local on 92.7 across the 0600 hour (midnight in Mexico), during which it emitted a full, lengthy ID, caught on tape: "XHMZ0, noventa y dos nueve megahertz, cinquenta mil watts de potencia... (?) ..studios... (?)". Transmite desde Cerro de la Ponce en Manzanillo, Colima, Mexico. Tu quesa FM. Viva estacion de cal (?) asacion (?). Then into the usual mass choir Mexican national anthem, during which the signal deteriorated steadily. So I'm unsure whether they signed off or continued - just heard one fragment of possible ranchera music after the anthem. It did not return, but by this time the Remington household was whooping and hollering in celebration!

This opening was immediately (as it was ending around 0615) phoned to KH6F00, who put it out on the Internet via the VHF reflector. Among the flood of responses was e-mail from Fernando Garcia, ace DXer of Mexico, who provided callsigns and locations for the 3 stations, from his own knowledge of Mexican FMs:

89.5 XHME Puerto Vallarta, Jalisco 10kw (97 FMA shows 4.7kw)

90.3 XHPVA Puerto Vallarta, Jalisco, unknown power (station not in 97 FMA)

92.9 XHMZO Manzanillo, Colima 50kw (no callsign shown in 97 FMA)

Rand McNally gives coordinates for the two cities. Puerto Vallarta is 20 degrees 37' N/105 degrees 15' W, and Manzanillo is 19 degrees 3' N/104 degrees 20' W. Accurate distance calculation will require transmitter coordinates. It would also be interesting to know, even roughly, their heights above sea level, not to speak of satellite wx observations for this date.

As mentioned earlier, I had a similar 89.5 mystery in 1995 June 23-26, then calling itself "Estereo Amistad." Over an hour of taped highlights sit in my archive. Mostly it was the only DX audible here on those dates, but once (0515 UTC 6/26/95) it was accompanied by a very weak unidentified 90.3 signal. I now strongly suspect that was also a duct event to Puerto Vallarta; if so, then it is possible in both El Nino and normal years, and in both summer and winter. 73, Shel.

From the Editor



Wouldn't it be nice to be stateside with 93 open frequencies, like Shel has in Hawaii! Some great catches from our 3 reporters this month.

# Southern FM DX

FROM the Editor continued

If you're online, hope you took note of the mention last month of the IRC chat Tuesday and Friday evenings. It's great to carry on real-time conversations across the miles with some great DXers. Download the software and get in on the fun! And many thanks to Mike Bugaj for coordinating it.

FM DX Web is up and running, so check it out! It'll be changing constantly as DX conditions change, so be sure to bookmark it. You'll find such features as info on WTFDA, this column, Bill Hepburn's tropo forecast, info on openings in progress, and a Mexican FM log (by frequency). FM DX Web is at <http://members.aol.com/fmdxweb>.

See y'all next month!



KJSN  
SUNNY 102-FM  
Light Rock - Less Talk

KSAN 94.9 fm

## FMNEWS (...continued from page 17)

APRIL 1998

things such as this ... Dennis has been hearing an unID on 98.7, "Radio Nueva Vida". This is a station relaying KMRO 90.3. Can't figure out where this was coming from. Speculation was that it could be a translator in Isla Vista, Calif., but a trip to that area did not reveal anything. Let us know if you figure it out, Dennis! .. Dennis mentions quite a bit of rain and wind due to the El Niño weather patters this winter: not much chance for tropo I guess! Dennis has another question: he notes that he can hear adjacent channel DX catches *BELOW* a local easier than he can DX *ABOVE* his strong local signals. Maybe some of the more technical people in the club can address this better, but I thought I was told once it was at least partially due to there

being more "stuff" above the station signal, stereo carrier, SCS, etc. Every tuner I have had has displayed the same phenomenon. Also, Dennis has found an area just west of the town of Goleta, where the "knife-edge refraction" effect off local mountain ranges produces strong signals from San Luis Obispo, in only about a 1/2 to 1 sq. mi. area. The signals aren't heard anywhere else! Dennis was able to get some new loggings from this area, as this is close to his QTH. The above two items are quite interesting - they would probably make good topics in the *MAILBOX* column!

• Frank Aden writes with some disturbing news: a worker at the site of KJOY / KKIC-AM / KGZH in metro Boise was electrocuted on Feb. 23rd. KGZH 98.7 had been off air since the incident, at the time of Frank's e-mail.

### TORONTO BLUE JAYS 1998 FM NET

CKLY	91.9	ON	Lindsay (QG from 910)
CKNR	94.1	ON	Eliot Lake
CIMG	94.1	SK	Swift Current
CKCB	95.1	ON	Collingwood
CKDY	103.3	NS	Yarmouth
CJQM	104.3	ON	Sault Ste. Marie

# EASTERN TV DX

April, 1998

Russell Miller  
HC 61, Box 86B  
N. Amity, ME 04471-9622  
email address - [estvdx@ainop.com](mailto:estvdx@ainop.com)

## LOCAL TIME UNLESS OTHERWISE NOTED

I am sure many of you are aware of what a great antenna the CM Quantum 1110 is. Especially in its ability to null undesired signals. Unfortunately, CM has decided to discontinue this model. There are still some to be found scattered about at various suppliers. Jim Ayers has access to four 1110's through his supplier. Jim says to let him know if you want one while they last.

Bob Seybold 1865 W. Main Rd., Silver Creek, NY 14136

### January 31 evening into February 1, 1998

Tr	Call	Power	Location
	WYCC	20 IL	Chicago
	WFLD	32 IL	Chicago
	KRIN	32 IA	brief Waterloo
	WTVO	17 IL	Rockford
	WIFR	23 IL	Freeport
	WNDUTV	16 IN	South Bend
	WSBTTV	22 IN	South Bend
	W15AM	15 MI	Grand Rapids
	WXMI	17 MI	Grand Rapids
	WOTV	41 MI	Battle Creek
	WPXU	43 MI	Battle Creek
	WTLJ	54 MI	Muskegon
	WUCMTV	19 MI	Saginaw
	WSYMTV	47 MI	Lansing
	WLAJ	53 MI	Lansing

Other signals too weak to ID

Comments: Had surprise tropo opening on evening of Jan 31 into morning of Feb 1. Some of the signals were quite weak but couldn't tell for sure due to antenna damage caused by icing from recent storm. Do not expect much DX til Spring season. (Editor: If anyone notices I used incorrect calls just Holler. I haven't kept up with all the changes past couple years. Thanks)

Bob Seybold 1865 W. Main Rd., Silver Creek, NY 14136

### February, 1998

26 Tr	CHWI	16 ON	Wheatley
	CFTOTVX	21 ON	Orilla
	CBLNTV4	45 ON	Wingham
	(Closer Canadians above normal signals)		
27 Tr	0600-0800		
	WUCXTV	35 MI	Excellant
	WSMH	66 MI	Flint
	CHCH-3	67 ON	Muskoka

27 Tr	CFMTTV2	60 ON	Ottawa
	CITY	65 ON	Ottawa

Comments: Other Canadians N, NW, NE in good. Toledo U's including LPTV's in good. There has been some other spotty tropo not logged, above normal signals for this time of year. Weather patterns continue to allow better than normal tropo and I expect this to continue.

## Editors Report

### February, 1998

08 Ms	0456	CFPL	10 ON	689
		(Slide (CFPLTV CHWITV CKNXTV)		
09 Ms	0308	CKCO	2 ON	646
12 Ms	0750	WBAY	2 WI	
	0755	CTV	2 IJATV	
		Strong many times		
	0841	WJBK	2 MI	792
13 Ms	0319	Unid	10 "10 ALMANAC" (wx)	
15 Ms	0506	WGRZ	2 NY	550
		Buffalo in Sync bar mixing w CTV		
	0618	WKTV	2 NY 3/4's	411
		"WKTV-2 KEJ59" (?)		
		"UTICA - NY"		
	1425	WGRZ	2 NY	550
		WGRZ-TV in Sync Bar		
16 Ms	0234	CKCO	2 ON 3/4's	646
		"CKCO" tiny "CTV"		
	0545	KDKA	2 PA	718
	0559	WGRZTV	2 NY R/S	550
		Calls - Buffalo Peacock 2 Logo		
17 Ms	0312	ABC	8 World wx	
	0629	WGRZTV	2 NY mixing with WJBK	
	0554	WDTNt	2 OH Weather	
22 Ms	0759	WGRZTV	2 NY	550
23 Ms	0324	WUND	2 NC	816
24 Ms	0600	WGRZTV	2 NY Strong	550
		(WGRZ-TV switching to Buffalo in Sync bar)		
26 Ms	0633	WGRZTV	2 NY	550
	0735	WJBK	2 MI	792
27 Ms	0548	WGRZTV	2 NY	550

Comments: Sometimes, I can't help but feel that WGRZ TV switches calls and Buffalo in their sync bar for my sole amusement. After doing a little research, I believe the zilched frames Roy Barstow noted in last months report are simply phase fading. This is caused by signals arriving from different sections of the meteors ionized trail.



# WESTERN TV-DX

April 1998

Dennis Park Smith, 3703 Dixon Street, Santa Barbara, CA 93105-2419 (805) 687-7803

This report is for February 1998. There was some Es on Feb. 11, chs. 2-4. It was first noted at approx. 1650. As usual, it was not strong or stable enough on my mediocre equipment for IDs. It was still in at 1730 when I had to leave.

There was almost no tropo noted along the southern California coast, as the air was constantly stirred up by subtropical El Niño-powered winter storms Feb. 11-23 with the most rain on record for a month here. There was no chance to settle into stable air layers for tropo ducting until Feb. 28, and then it was very poor. March 1 was poor to fair.

Best of DX to All. Dennis

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

Equipment: 1992 Zenith "Sentry 2" 13" color TV, Channel Master 4228A screened 8-bay w/RDX Labs UA-900 preamp for UHF, Channel Master 1114 Crossfire w/RDX Labs UA-702 preamp for VHF, both at 20 ft. AGL.

**February 1998** CST  
11 Es 1730 KDLT 5 SD "Save big money at Menard's" ad  
24 tr 2212 WFTX 36 FL MASH 1620  
2227 WTGL 52 FL Worship 645  
2304 WKCF 18 FL Cops 575  
2311 WBSF 43 FL HSC/WCCU-49 655  
2313 WOFL 35 FL Orlando ad, Fox 35 600  
2315 WRBW 65 FL "Vibe", weak 600  
2326 WFTS 28 FL Nightline 550  
2330 W48BC 48 FL Destin tourist promos 280  
2337 WFSG 56 FL  
completely overriding local TBN! 325  
2338 WACX 55 FL TBN 565  
2348 WTEV 47 FL LAPD, ID 560

Victor Frank  
12450 Skyline Blvd.  
Woodside, CA 94062-4541  
e-mail frank@sneezy.srl.com  
(650)851-7031

2351 WJXX 25 FL local wx;  
heavy CCI from WXXV 565  
2357 WAWS 30 FL Strange Universe, ID 565  
25 tr 0005 unid 39 w/Worship to E.  
0006 WTWC 40 FL NBC, Conan 405  
0008 W41BN 41 AL TBN 340  
0010 to bed

Really only one productive day in February, but it was a dandy opening. Too bad it was a work night. It seems like it's been a while since I've gotten Jacksonville. The last time I logged 47, the calls were WNFT. 73s

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

**February 1998** UTC  
09 tr 1705 KENS 5 TX 347  
11 Es 0003 KNAZ 2 AZ 1045  
2210 WJBK 2 MI 904  
2212 unid 2 ON CTV  
2248 WDIV 4 MI 904  
2256 WDTN 2 OH 735  
2315 KDKA 2 PA 945  
2318 WCMH 4 OH 795  
13 Es 0150 unids 2,4 XEW, XHGC-5  
14 Es 2230 XHG 4 JAL 1003  
2302 XHFM 2 VER 950  
unids 2, 4, 5 Mexico  
18 Es 1705 KNAZ 2 AZ 1045  
1727 KCBS 2 CA 1420  
1731 unid 2 KTVK-3 logo tapes  
unids 2, 4, 5 Mexico and US  
20 tr 1515 San Antonio 41,60 347  
24 Es 0220 unid 2 XEW 896  
XHAGU 2 AGU XEQ  
tr 1545 Valley 7,9  
1630 San Antonio 4, 5, 9 347  
KGNS 8 TX 481  
25 tr 0040 KZTV 10 TX 385  
Valley 4, 5, 7, 9, 23

## Western TV DX (D. Oglethorpe's report cont'd)

0108 San Antonio 4, 5  
0620 KEDT 16 TX 385  
0625 XHFOX 17 TA 513  
0628 KORO 28 TX 385  
0650 Oklahoma City 4, 5, 9  
1520 WTVB 9 MS 319  
27 tr 1508 K???-LP 27 LA Pleasant Hill 50  
28 Es 0050 unids 2 XEW, TV Azteca

**March 1998** UTC  
03 Es 0035 unid 2 XEW  
1515 unid 2 XEW  
1655 KXMA 2 ND 1110  
2345 unid 2 XEW  
XEWt 2 DF Note #1  
04 Es 0005 XHTV 4 DF 958  
08 Es 0029 unids 2 Mexico and US  
0129 KNOP 2 NE 717  
KDUHt 4 NE

Note #1--These two XEW carriers caused the audio to have an echo effect because the audio of one was a split-second behind the other.

Pat Dyer, WA5IYX, 5315 Silvertip Drive, San Antonio, TX 78228-2744 pjdyer3@juno.com

Equipment:  
NEW JVC HR-J400U VCR, Winegard CA-5254 VHF at 18' AGL; Antennacraft Y5-2 5 element channel 2 Yagi at 11' AGL; Antennacraft P-5 chicken-wired dish at 25' AGL (to feedpoint). All on rotors and RG-6.

**February 1998** UTC  
14 Es 2315 unids 2-4 heavy into Mexico to 0325  
18 Es 1438 KDLO 3SD Florence  
1452 KGAN 2 IA Cedar Rapids  
1455 WSIL 3 IL Harrisburg  
1535 KNOP 2 NE North Platte  
1559 KWGN 2 CO Denver  
1729 KUTV 2 UT Salt Lake City  
1836 KNAZ 2 AZ Flagstaff  
1839 KVBC 3 NV Las Vegas  
1850 KTVK 3 AZ Phoenix  
1854 KCBS 2 CA Los Angeles

Local channel 4 was hit several times with co-

channel interference (and perhaps channel 5). Any MUF excursions into the FM band might have been masked by the many strong in-state tropo signals.

**March 1998** UTC  
08 Es 0059 KGAN 2IA Cedar Rapids  
0058 WISC 3WI Madison  
0103 unids to 97.9 MHz  
0206 WBAY 2WI Green Bay  
0250 fadeout  
2059 WSJK 2TN Sneedville  
unids to ch 3  
09 Es 0000 WPBT 2FL Miami

Fernando Garcia, San Salvador 415, Rincon de la Sierra, Cd Guadalupe, NL, 67181 MEXICO

Equipment:  
Sony KV-27EXR15, Screened CM 7'dish 85', RG11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60'.

1800' ASL, No re-logs in the same month, only tropo 500+ miles.

**February 4, 1998**  
0700 KLPB 24 LA Lafayette LPB, weak 567  
**February 8, 1998**  
0300 KADN 15 LA Lafayette Rel., (318) area ph code 586  
0730 KVHP 29 LA Lake Charles ID, pr. A New Day (Rel.) 530  
**February 9, 1998**  
0530 KETK 56 TX Jacksonville NBC news 532  
KFXX 51 TX Longview Sheperds's chapel 557  
0545 Southwest Louisiana  
0600 KRIV-26-TX Dense Fog, Temp. 51, Barometer 29.91  
2100 WLAE 32 LA New Orleans Calls bottom right 694  
WNOL38 LA New Orleans WB 694  
WGNO 26LA New Orleans ABC 694  
WCCU49 LA New Orleans HSN 688

2130 Signals gone  
**February 10, 1998**  
0400 Lafayette-New Orleans, Louisiana  
**February 14, 1998**  
0230 Southwest Louisiana  
rare opening, as we had local rain

**February 20, 1998**  
2000 WBHS50 FL Tampa HSN

## Western TV DX (F. Garcia's report cont'd)

WTTA 38 FL St. Petersburg SAP	1116
2030 WWWWB 32 FL Lakeland /K32ER	1135
WFTX 36 FL Cape Coral FOX //XHFOX-17	1142
WSCV51 FL Fort Lauderdale Telemundo, SS	1242
2045 WBFS 33 FL Miami \$, UPN logo bt. right	1242
WDZL 39 FL Miami Testing on SAP	1243
2100 New Orleans, Louisiana	
2130 WUPL 54 LA Slidell o/u XHVT	705
WVLA 33 LA Baton Rouge NBC // KVEO-23	633
2200 Southwest Louisiana	
2230 WGMB 44 LA Baton Rouge o/ KLUJ	633
WLPB 27 LA Baton Rouge LPB	638
<u>February 21, 1998</u>	
0345 Lake Charles-New Orleans, Louisiana	
KWBJ-LP 39 LA Morgan City wx info. on audio	618
0400 Southwest Florida	
WFLX 29 FL	1238
WXEL 42 FL West Palm Beach	1238
WGU 30 FL Fort Myers Educ o/ K30FF	1144
0415 WBBH 20 FL Fort Myers NBC	1144
0530 All DX is gone	
<u>February 24, 1998</u>	
0030 Lafayette, Louisiana	
1845 Tampa-Fort Myers, Florida	
1900 WTVK 46 FL Naples Full ID, UPN	1153
WZVN 26 FL Naples area adv, ABC 7	1153
WRXY 49 FL Tice Rel.	1142
West Palm Beach, Florida	
1945 New Orleans-Baton Rouge, Louisiana	
2015 WTGL 52 FL Cocoa Rel.	1200
WBSF 43 FL Melbourne HSN	1200
Jacksonville, Texas	
KLAX 31 LA Alexandria ABC // KAVU-25	618
2030 KTLT 18 LA Lake Charles LPB // chs 24, 27	548
2045 K59DG 59 LA New Orleans TBN // KLUJ-44	688
2100 Fort Lauderdale-Miami, Florida	
WBCC 68 FL Cocoa Educ.	1200
<u>February 25, 1998</u>	
0000 Tampa-Fort Myers-Miami, Florida	
W56CN 56 FL Venice // WWWWB-32	1106
0030 Lafayette, Louisiana	
0045 ch 13 Cuba with Fidel Castro speech	
0100 WYES 12 LANew Orleans Calls, local out	693
ch 9 Cuba // ch 13	
0300 WFTS 28 FL Tampa ABC28, loc out	1116
0445 WPMI 15 AL Mobile o/u KADN	838
WAPT 16 MS Jackson ABC	754
WNTZ 48 MS Natchez o/KTMD and KNVO	670
Baton Rouge-Alexandria-New Orleans, Louisiana	

K56DR 56 LA Baton Rouge TBN	633
WIIQ 41 AL Demopolis SAP	877
WDBD 40 MS Jackson Full ID	754
WPAN 53 FL Fort Walton Beach Shopping VCC	869
0500 WFSG 56 FL Panama City SAP, strong	929
0600 W68CM 68 FL Panama City TBN	943
WMPV 21 AL Mobile TBN	842
WXXV 25 MS Gulfport FOX 25	764
0615 WTEV 47 FL Jacksonville CNN Headline news	1179
WAWS 30 FL Jacksonville FOX	1179
WJEB 59 FL Jacksonville//KLUJ-44	1180
WEIQ 42 AL Mobile SAP	825
0630 WHNO 20 LA New Orleans Rel.	688
WHBR 33 FL Pensacola Rel. Word	838
0700 WACX 55 FL Leesburg	1180
W69AY 69 FL Alachua//WACX-55	1128
WBSV 62 FL Venice weak	1107
WGFL 53 FL High Springs Xmen cartoons	
WRBW 65 FL Orlando weak	1192
2000 WYHS 69 FL Hollywood HSN	1242
WHFT 45 FL Miami u/o XHNAT	1244
WLTU 23 FL Miami u/ KVEO	1242
West Palm Beach-Naples, Florida	
WJAN-LP 41 FL Miami Spanish	1230
WIMP-LP 25 FL Miami Occult Psychics	1244

program confirmed by Chris S. Dunne.  
it was mostly in color for 20 minutes

### February 26, 1998

0700 Jacksonville, TX weak, under cloudy skies in east TX

### February 27, 1998

2230 Lafayette-New Orleans, Louisiana

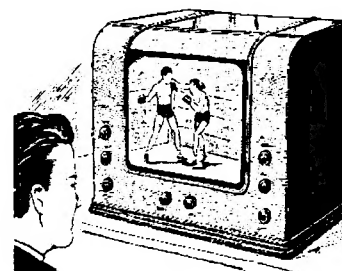
### February 28, 1998

0700 New Orleans, Louisiana  
0715 Mobile, Alabama

February 98 is noted as best number of days out to 1200+ miles for a month of Feb. Last week of February openings were like Spring openings. Temperatures here were mid 80's to low 90's every day.

73's  
Fernando

Short column this month. It's a bit early for F2 propagation of TV this far north--perhaps this coming fall. The summer Sporadic-E season, however, is less than a month away. Time to check out those antennas. Have a good season! Vic.



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March 1991	4
April 1991	3
May 1991	3
June 1991	4
July 1991	4
August 1991	3
December 1991	4
January 1995	6
February 1995	9

March 1995	7
April 1995	25
May 1995	15
June 1995	20
July 1995	15
August 1995	2
September 1995	10
October 1995	21
November 1995	5
December 1995	51
January 1996	47
February 1996	3
March 1996	79
April 1996	29
May 1996	41
June 1996	54
July 1996	75
August 1996	44
September 1996	84
October 1996	56
November 1996	88
December 1996	81
January 1997	67
February 1997	49
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## TV DX IN 1952

(Excerpts from a Radio-Electronics column by Ed Tilton (W1HDQ) published in January of 1953. Thanks to Randy Miltier of Ashland, Oregon for providing the information.)

Experienced tv dx observers and amateurs who watch the 50 mc (mHz) band for signs of dx all agree that 1952 was definitely subnormal in incidence of sporadic-E skip.

Nonetheless there were some outstanding reports.

TV dx observations come from some surprising places, some of them localities where there is no regular tv service. Observer L. A. Canning in Halifax, Nova Scotia is 400 miles from the nearest tv station, yet his log includes 44 stations in 36 cities. He is the holder of the Western Hemisphere dx record, having logged PRF-3, Sao Paulo, Brazil, in the summer of 1951.

During the height of an aurora borealis display on September 29, several Halifax dxers noted that the signal of WJAR, Providence, RI, channel 11, was strong on both sound and video, but the two could not be received simultaneously. This condition has been noted previously when selective boosters were used, but this time removal of the boosters

made only slight improvement. If this was the result of auroral conditions it is the first time that aurora effects have been noted above 200 mc.

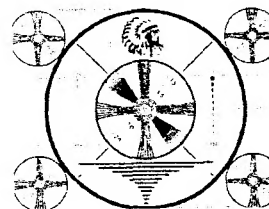
On September 5, a coastal inversion brought in signals from WBZ, Boston, 4; WNBT, New York, 4; WABD, New York, 5; WFIL, Philadelphia, 6; and WJAR, 11. Audio only was received from WCBS, New York, 2, bearing out the observation that tropospheric effects increase with frequency.

Several multiple-hop dx observations were reported during the summer peak. Leader in this department was Robert Royal of Red Bay, Alabama. Bob caught KRON (4) San Francisco, KING (5) Seattle, KSL (5) Salt Lake City, KOB (4) Albuquerque, KPHO (5) Phoenix, and KTLA (5) Los Angeles in a single evening.

Much more high-band dx was reported in 1952 than in previous years, largely as a result of the improved high-band performance of the newer receivers. Reports of tropospheric enhancement came from nearly all parts of North America and ranged from 200 to 600 miles distance. One observer, Robert McGough of Milwaukee, staggers us with KLAC, Los Angeles, 13 on June 12. We'd like to know more about this one, as it exceeds by several hundred miles the best amateur or tv dx ever reported on frequencies about 100 mc. It can happen, though, as 200 mc radar sets have picked up targets 1,700 miles distant.

TV dx is not without its humorous moments. To prove that most people don't understand or appreciate our hobby, Dan Samuels of Mt. Vernon, New York reports that when he called his next door neighbor to show off his reception of a Washington, D. C. station over 200 miles to the south, the only comment was, "Lot of snow on it, isn't there?"

**Editor's notes:** As a rule I am hesitant to copy 3-column text, however this particular piece scanned so well, and contains so much interesting information, that I think a try at re-printing it as it appeared in 1952 is worthwhile. So...since a lot of us do more squinting than we used to, haul out the magnifying glass and get ready to soak up the very best of the 1952 dx season and meet the 'observers' who made the report possible. Thanks again to Randy Miltier for sending this.



### LIST OF OBSERVERS, 1952

Altaga, Frank, El Paso, Tex.  
 Ambrose, G. W., Randallstown, Md.  
 Amery, Gordon, Braymer, Mo.  
 Ashcraft, Calvin E., Coolidge, Ariz.  
 Baldwin, G. H., Hamilton, Ont.  
 Bashita, William, Los Alamos, N. Mex.  
 Redrosian, Peter, Newburyport, Mass.  
 Bente, Waldemar, Dennison, Ohio.  
 Billings, R. A., Shiro, Tex.  
 Canning, L. A., Halifax, N. S.  
 Cantwell, William, Denver, Col.  
 Carnes, P. C., Orangeburg, S. C.  
 Collier, J. W., Arlington, Va.  
 Conover, R., Stone Ridge, N. Y.  
 Croy, John E., Dayton, Ohio.  
 DeGroat, F. E., Salamanca, N. Y.  
 Dochak, Mike, Sudbury, Ont.  
 DeGeer, M. W., Tulsa, Okla.  
 Dempster, M. K., Tyndall, S. Dak.  
 Duil, R. E., Washington, D.C.  
 Edens, L., San Antonio, Tex.  
 Elberburg, Columbus, Miss.  
 Evans, L. M., Gaylord, Mich.  
 Ferguson, G. A., San Antonio, Tex.  
 Foyar, Joe, Westville, Ill.  
 Gandoli, Jose, Preston Oriette, Cuba.  
 Garcia, Albor Otero, Varadero Beach, Cuba.  
 Gehlein, James, Erie, Pa.  
 Glenn, Quentin D., Carlisle, Pa.  
 Golden, S. J., Oak Bluffs, Mass.  
 Green, Vernon F., Saratoga, N. Y.  
 Green, M. F., Casper, Wyo.  
 Groves, A. L., Brooke, Va.  
 Hall, E. R., Miami, Fla.  
 Hammond, Clarence and Nina, Malin, Ore.  
 Hansen, Floyd, Waukegan, Ill.  
 Hart, Wm. C., Washington, Pa.  
 Hogan, Marvin H., Atlanta, Tex.  
 Huckert, Mrs. Joe, Hereford, Tex.  
 Henderson, Wayne, Sebring, Ohio.  
 Kern, Roy, Scranton, N. Dak.  
 Kindervater, John, Pottstown, Pa.  
 King, Virgil, Springfield, Ohio.  
 Kinney, Thomas A., Shelby, N. C.  
 La Bella, Victor, Middletown, Conn.  
 Landwehr, John, Bensenville, Ill.  
 Louthier, G. W., Alexandria, Ind.  
 McGough, Robert, Milwaukee, Wis.  
 McKinney, J. J., Indianapolis, Ind.  
 McLaughlin, C. F., Birmingham, Ala.  
 McPherson, Ross, Woodstock, Ont.  
 Markie, Leonard, Greenfield, Ill.  
 Maverrick, Joseph, Monessen, Pa.  
 Mays, A. J., Detroit, Okla.  
 Manning, Walter, Milwaukee, Ore.  
 Matullo, Louis, Washington, Pa.  
 Merkle, Bob, Detroit, Mich.  
 Meyer, Sgt. Danile, San Marcos, Tex.  
 JANUARY, 1953

### Dx Reports by Station and Channel

Channel 2, 54-60 mc; 11 stations, 301 reports

KPRC, Houston, Texas	114	WCBS, New York City	24
CMQ, Havana, Cuba	32	WSB, Atlanta, Ga.	22
WMAR, Baltimore, Md.	28	WJBK, Detroit, Mich.	21
XEW, Mexico City	25	KXNT, Los Angeles, Calif.	7
WFMY, Greensboro, N. C.	25	KTSL, Hollywood, Calif.	2
KS2XBS, Chicago, Ill.	1		

Channel 3, 60-66 mc; 7 stations, 84 reports

KMTV, Omaha, Neb.	23	WBTV, Charlotte, N. C.	13
WTMJ, Milwaukee, Wis.	14	WKZO, Kalamazoo, Mich.	11
WPTZ, Philadelphia, Pa.	11	WDTV, Pittsburgh, Pa.	5
WLWC, Columbus, Ohio	4		

Channel 4, 66-72 mc; 30 stations, 258 reports

CMUR, Havana, Cuba	35	WHBF, Rock Island, Ill.	7
KRLD, Dallas, Texas	31	WNBW, Washington, D. C.	7
WKY, Oklahoma City, Okla.	30	WLWT, Cincinnati, Ohio	6
WMBR, Jacksonville, Fla.	17	WREG, Schenectady, N. Y.	6
WTVJ, Miami, Fla.	17	WSM, Nashville, Tenn.	6
WTCN, Minneapolis, Minn.	15	WKBK, Chicago, Ill.	6
XHTV, Mexico City	14	KOB, Albuquerque, N. Mex.	5
WTAR, Norfolk, Va.	14	WBBN, Buffalo, N. Y.	4
WOAI, San Antonio, Texas	13	WNBK, Cleveland, Ohio	4
WOI, Ames, Iowa	13	KRON, San Francisco, Calif.	4
WMCT, Memphis, Tenn.	13	WWJ, Detroit, Mich.	4
WDAF, Kansas City, Mo.	12	KXNB, Los Angeles, Calif.	3
WBZ, Boston, Mass.	12	WAVE, Louisville, Ky.	1
WNBT, New York City	9	XELD, Matamoros, Mex.	1
WBRC, Birmingham, Ala.	8	WGAL, Lancaster, Pa.	1

Channel 5, 76-82 mc; 19 stations, 80 reports

WBAP, Ft. Worth, Texas	23	KSD, St. Louis, Mo.	2
CMQ, Havana, Cuba	10	WSAZ, Huntington, W. Va.	2
WOC, Davenport, Iowa	7	WSYR, Syracuse, N. Y.	2
KTPS, St. Paul, Minn.	7	WABD, New York City	2
WTWG, Washington, D. C.	5	WAGA, Atlanta, Ga.	2
KYYL, San Antonio, Texas	5	WAVE, Louisville, Ky.	1
WNBQ, Chicago, Ill.	4	WEWS, Cleveland, Ohio	1
KTLA, Los Angeles, Calif.	3	KING, Seattle, Wash.	1
KPHO, Phoenix, Ariz.	2	KSL, Salt Lake City, Utah	1
KPIX, San Francisco, Calif.	1		

Channel 6, 82-88 mc; 11 stations, 57 reports

CMQ, Havana, Cuba	20	WTVR, Richmond, Va.	3
WDSU, New Orleans, La.	10	WHAM, Rochester, N. Y.	3
KOTV, Tulsa, Okla.	7	WOW, Omaha, Neb.	3
WTVN, Columbus, Ohio	5	WFIL, Philadelphia, Pa.	2
WBFB, Indianapolis, Ind.	3	WNHC, New Haven, Conn.	1

Milott, Dan, Louisville, Ky.	Storie, Clarence A., Tulsa, Okla.
Mulligan, Eldon, Ottawa, Ont.	Storch, Clarence L., San Antonio, Tex.
Nichols, Dan, Mason, Mich.	Smith, B. L., Sandown, Tex.
Oberto, G. P., Richmond, Va.	Tisdale, J. W., Tulsa, Okla.
Patrick, M. C., Abilene, Tex.	Tisdale, J. W., N. Little Rock, Ark.
Penc, Stanley, Utica, N. Y.	Van Sandt, R. L., Ft. Worth, Tex.
Randall, John W., Hanover, Mass.	Vanderstedt, Paul, Muskegon Heights, Mich.
Rees, Mackworth G., Naples, Fla.	Wallace, William, Santa Anna, Tex.
Richards, Warsaw, Ind.	Warren, Bud, Cocoa, Fla.
Robins, Howard L., Tampa, Fla.	Waterhouse, F. T., Springfield, Mass.
Royal, Robert, Red Bay, Ala.	Whitfield, Lawrence A., Altoona, Pa.
Runnells, R. J., Ottumwa, Iowa.	Wilcox, W. W., Richmond, Va.
Sagel, Leslie, Wildwood, N. J.	Wilkerson, S. W., Vancouver, B. C.
Samuels, Dan, Mt. Vernon, N. Y.	Wilson, A. E., Port Arthur, Ont.
Schmidt, Harry, Markham, Ont.	Walker, John L., Albion, Pa.
Seay, J. Chester, Dothan, Ala.	Sinkin, Gordon, Orlando, Fla. and Arlington, Calif.
Sloan, S. W., Braden Castle, Fla.	
Stanek, John A., New Kensington, Pa.	

96 observers, representing 29 States, plus Ontario, Nova Scotia, British Columbia and Cuba.

END